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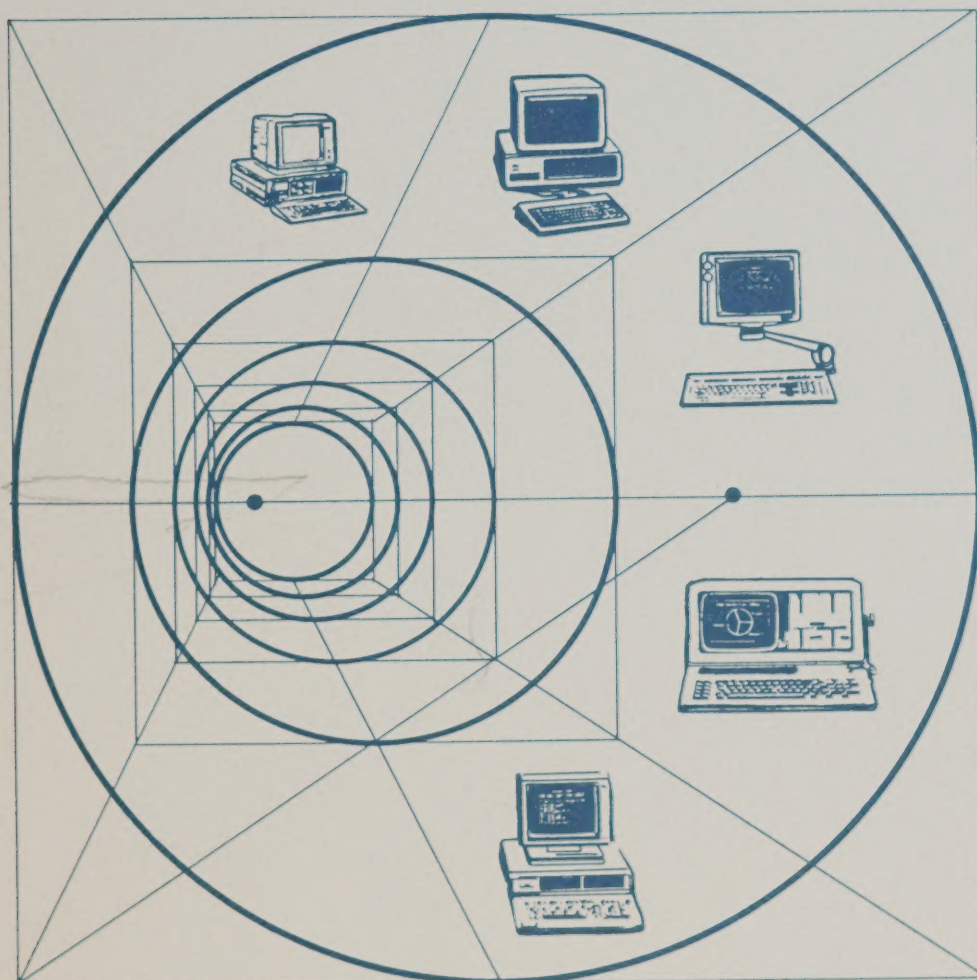


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Management
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Publication

Microcomputers in Larger Municipalities

A Catalogue



March 1985

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Microcomputers in Larger Municipalities A Catalogue



Ontario

Ministry of
Municipal Affairs
and Housing

Honourable
Dennis R. Timbrell
Minister

Ward Cornell
Deputy Minister

March 1985



MICROCOMPUTERS IN LARGER MUNICIPALITIES:
A CATALOGUE

TABLE OF CONTENTS

	<u>PAGE</u>
Preface	i
1 - INTRODUCTION	
Purpose	1
How to Use this Catalogue	1
Updates	3
Inquiry	3
Comments	3
2 - ANALYSIS	
Survey	4
Current Uses of Microcomputers	4
Comments by Municipalities	13
Trends	14
3 - MUNICIPAL MICROCOMPUTER PROFILE	
Introduction	15
Municipal Microcomputer Profile	16
4 - GENERIC SOFTWARE APPLICATION INDEX	
Introduction	91
Generic Software Application Index	92
5 - APPLICATIONS INDEX	
Introduction	93
Applications Index	94
6 - HARDWARE/APPLICATION INDEX	
Introduction	107
Hardware Application Index	108
EXHIBITS	
1. Current Uses of Microcomputers	5
APPENDIX A	
Ministry Survey	112



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PREFACE

In accordance with its mandate to support municipal initiatives, the Ministry of Municipal Affairs and Housing has produced two series of publications about microcomputers. Since the size of a municipality has been shown to influence the way in which it makes use of microcomputers, one series of publications has been produced for small municipalities (those with populations of about 5,000 or less), and the other for larger municipalities.

The first series, entitled Microcomputers in Small Municipalities, comprises four publications:

- . A Guide
- . A Workbook
- . A Catalogue
- . Case Studies.

The Guide describes the issues and concerns associated with the acquisition and use of microcomputers by small municipalities. The Workbook provides tools to be used when completing the tasks of acquiring and using a microcomputer. The Catalogue provides information about vendors of hardware and software as well as identifying small municipalities that are using microcomputers. The Case Studies describe the experiences of selected small municipalities that have installed microcomputer systems.

The second series for larger municipalities, entitled Microcomputers in Larger Municipalities, is comprised of four publications:

- . A Manual
- . A Workbook
- . A Catalogue
- . Case Studies.

This catalogue is the first publication to be released in the second series.

The Manual deals with the use of microcomputers in larger municipalities and the managerial and technical issues associated with their use. The Workbook contains checklists and a sample Request for Proposal. This Catalogue contains a comprehensive listing of municipal microcomputer installations in Ontario municipalities of more than 5,000 population, together with information about hardware and software vendors. The Case Studies describes the experience of some larger municipalities that have installed microcomputer systems.

These publications will be reissued or updated periodically to stay current with developments in microcomputers and their use in municipalities in Ontario.

Funding for the publications was provided under the Municipal Action '85 program.

The emphasis in all eight publications is on providing information that municipal decision makers can put to practical use. Comments on their content and value are welcome. They should be forwarded to:

Ministry of Municipal Affairs and Housing
The Director
Municipal Management Policy Branch
11th Floor
777 Bay Street
Toronto, Ontario
M5G 2E5
(416) 585-7201

MICROCOMPUTERS IN LARGER MUNICIPALITIES: A CATALOGUE

1 - INTRODUCTION

PURPOSE

This Catalogue is designed to assist municipalities considering the use of a microcomputer by providing a list of current microcomputer users and applications. The information contained in this Catalogue includes computer hardware and software in use, and also the planned installations for municipalities with populations of more than 5,000.

This Catalogue is primarily a reference tool that you may use to identify other municipalities that have gained experience in an application or specific type of microcomputer you may be considering.

This Catalogue was produced through the co-operation of Ontario municipalities who provided information about their microcomputer installations. The Ministry is grateful to those who responded to the Municipal Microcomputer Survey, without whom this Catalogue would not have been possible.

HOW TO USE THIS CATALOGUE

This Catalogue is organized into four major sections.

These are:

- 1) Municipal Microcomputer Profile
- 2) Generic Software Profile
- 3) Application Index
- 4) Hardware/Application Index.

- 1) The Municipal Microcomputer Profile contains the information submitted by each municipality concerning the microcomputers presently in use. This section is arranged alphabetically, by municipality.
- 2) The Generic Software Index indicates the most popular generic software used by larger municipalities and for what purpose.
- 3) The Application Index lists all municipalities who have reported having installed or planned specific functional applications. This information is arranged alphabetically, by application name. The index also includes the type of microcomputer on which the application is being performed.
- 4) The Hardware/Application Index lists, by make and model of hardware product, the applications currently installed or planned and the municipalities performing them.

If you do not currently have a microcomputer, use the Application Index to locate the municipalities performing the applications you have planned to implement. This index will indicate the name of the municipality, as well as the type of microcomputers being used. Once you have located the municipalities, look them up in the Municipal Microcomputer Profile. The profile will tell you more about the applications and hardware, as well as provide you with the name of a contact from whom further information may be obtained.

If your municipality already has a microcomputer, use the Hardware/Application Index to locate other municipalities using the same make and model of computer equipment. This index will provide you with a list of these municipalities, along with additional applications being performed. The Microcomputer Profile can then be used to identify municipal contacts.

UPDATES

This Catalogue contains data current as of June 1984. The information was assembled, stored and manipulated using a popular business microcomputer. The data base of information was created using dBase II*, a microcomputer data base software product. Once the information had been stored, the same microcomputer was used to produce the printed reports that follow.

As you acquire new or additional microcomputer equipment or add new applications, please complete and forward to the Ministry a copy of the survey form located in Appendix A. Thus the Ministry's computer files will be up-to-date for inquiry or analysis.

This Catalogue will be reissued periodically to stay current with the development of microcomputers and their use in municipalities in Ontario.

INQUIRY

The Ministry maintains the information in this Catalogue on a microcomputer data base. If you want the most current information available you can contact the Ministry at the address shown in the preface. Special reports and searches of the database are available upon request.

COMMENTS

You are invited to forward your written comments as to the usefulness of this Catalogue and/or in what ways it could be improved to the address shown in the preface.

*dBase II is a registered trademark of Ashton-Tate

2 - ANALYSIS

THE SURVEY

Detailed survey forms were sent to all municipalities of more than 5,000 population to determine where microcomputers were in use. All data and percentages were taken or derived from the 77 municipalities with population of more than 5,000 which responded to the survey. A sample of the detailed survey is shown in Appendix A.

CURRENT USES OF MICROCOMPUTERS

Of the 200 municipalities with more than 5,000 population, 77 municipalities responded that they currently have at least one microcomputer application. They use both generic and functional software.

Generic packages are packaged programs that can be used by anyone in any organization - regardless of industry or size of organization or the experience of the computer user. The most popular generic packages in use by municipalities are Spreadsheet/Worksheet packages, with Word Processing and database software following closely.

It is interesting to note that 74 different municipalities use a microcomputer for an application that was not reported by any other municipalities to be microcomputer based. This can be interpreted to mean that the field is new and no clustering of uses has yet unfolded. The first update of this catalogue will possibly show a more homogeneous grouping or clustering of municipal applications.

EXHIBIT 1

CURRENT USES OF MICROCOMPUTERS

APPLICATION	APPLICATION NAME	INSTALLED		PLANNED	
		#	%	#	%
ACCOUNTING					
	ACCOUNTING	0	0.0	1	2.0
	ACCOUNTS PAYABLE	3	3.1	2	4.1
	CASH HANDLING	1	1.0	0	0.0
	CONTRACT COSTING	0	0.0	0	0.0
	EXPENDITURE TRACE	1	1.0	1	2.0
	FINANCIAL MODEL	1	1.0	0	0.0
	FINANCIAL REPORTING	3	3.1	1	2.0
	GENERAL LEDGER	3	3.1	1	2.0
	JOB COST	1	1.0	0	0.0
	SCHEDULING-FORM DESIGN	1	1.0	0	0.0
	SINKING FUND DEBENTURE	1	1.0	0	0.0
	TRUST ACCOUNTING	1	1.0	1	2.0
		16	17.0	7	14.5
BUDGETING					
	BUDGET ESTIMATES	2	2.1	1	2.0
	BUDGETING	1	1.0	3	6.2
	ESTIMATING	0	0.0	1	2.0
		3	3.1	5	10.4
BUILDING					
	BUILDING CONTROL	0	0.0	1	2.0
	BUILDING PERMITS	2	2.1	0	0.0
		2	2.1	1	2.0
DATA PROCESSING/INFO SYS.					
	DEVELOP APP PROCESSING	1	1.0	0	0.0
		1	1.0	0	0.0

EXHIBIT 1
CURRENT USES OF MICROCOMPUTERS

APPLICATION	APPLICATION NAME	INSTALLED		PLANNED	
		#	%	#	%
ELECTIONS	ELECTION RETURNS	1	1.0	0	0.0
		1	1.0	0	0.0
ENERGY MANAGEMENT	ENERGY CONSUMPTION	1	1.0	0	0.0
	ENERGY-JOB CONTROL	1	1.0	0	0.0
		2	2.1	0	0.0
ENGINEERING	CULVERT DESIGN	0	0.0	1	2.0
	EARTH EXCAVATION CALC'S	1	1.0	0	0.0
	ILLUDAS--HYDROGRAPH MODEL	1	1.0	0	0.0
	MIDAS (SCS)-CONSERVATION	0	0.0	1	2.0
	MISS. HYETOGRAPH	0	0.0	1	2.0
	PLAN INDEX	1	1.0	0	0.0
	WATER DIST'N ANALYSIS	1	1.0	0	0.0
	WATER NETWORK ANALYSIS	0	0.0	1	2.0
	WATERWORKS DATA	2	2.1	0	0.0
		6	6.3	4	8.3
EQUIPMENT & SUPPLIES	INVENTORY	1	1.0	1	2.0
		1	1.0	1	2.0
ENVIRONMENT	CONSERVATION DATA	2	2.1	0	0.0
	NOISE CONTROL	1	1.0	0	0.0
	SOIL CONSERVATION SYSTEM	1	1.0	0	0.0
		4	4.2	0	0.0

EXHIBIT 1
CURRENT USES OF MICROCOMPUTERS

APPLICATION	APPLICATION NAME	INSTALLED		PLANNED	
		#	%	#	%
FIRE					
	COMPTR AIDED FIRE DSPATCH	0	0.0	1	2.0
	STATUS TABLE INTERFACE	1	1.0	0	0.0
		1	1.0	1	2.0
GEOGRAPHIC INFO SYSTEM	COMPUTER MAPPING	0	0.0	1	2.0
	CONTROL MON INDEX	1	1.0	0	0.0
	COORDINATE GEOMETRY	1	1.0	0	0.0
	GEO. CONVERSION (3 TO 6)	0	0.0	1	2.0
	MICRO COGO	0	0.0	1	2.0
		2	2.1	3	6.2
HEALTH	CHEMICAL ABSTRACT FILE	2	2.1	0	0.0
	FOOD HANDLERS COURSE	0	0.0	1	2.0
	WELLNESS CHECK	1	1.0	0	0.0
		3	3.1	1	2.0
HOMES FOR THE AGED	PATIENT MOVEMENT	0	0.0	1	2.0
		0	0.0	1	2.0
LIBRARY	BULLETIN BOARD (LIBRARY)	0	0.0	1	2.0
	DIAL-A-COURSE-EDUCATIONAL	0	0.0	1	2.0
	LIB. BOOK OVERDUE NOTICES	1	1.0	0	0.0
	LIBRARY CATALOGUING	1	1.0	0	0.0
		2	2.1	2	4.1

EXHIBIT 1

CURRENT USES OF MICROCOMPUTERS

APPLICATION	APPLICATION NAME	INSTALLED		PLANNED	
		#	%	#	%
MUSEUM	MUSEUM COLLECTIONS	1	1.0	0	0.0
		1	1.0	0	0.0
PARKS & RECREATION	ICE RENTALS	1	1.0	0	0.0
	PARKS & REC MEMBRSHIP INFO	1	1.0	0	0.0
	REGISTRATION	0	0.0	1	2.0
	SCHEDULING	0	0.0	1	2.0
		2	2.1	2	4.1
PAYROLL/PERSONNEL	PAYROLL	2	2.1	1	2.0
	PENFILE (FOR PERSONNEL)	1	1.0	0	0.0
	PERSONNEL	0	0.0	1	2.0
	PERSONNEL RECORDS	1	1.0	0	0.0
		4	4.2	2	4.1
PLANNING & DEVELOPMENT	CONVENTION CENTRE SURVEY	1	1.0	0	0.0
	ECONOMIC STUDY	0	0.0	1	2.0
	EMPLOYMENT SURVEY	1	1.0	0	0.0
	GRAPHIC PACKAGE	0	0.0	1	2.0
	HOUSING MODEL	1	1.0	0	0.0
	INDUSTRIAL DATABASE	1	1.0	0	0.0
	OFFICIAL PLAN	1	1.0	0	0.0
	PLANNING ANALYSIS PKG	2	2.1	0	0.0
	POPULATION MODEL	1	1.0	0	0.0
	STATISTICAL ANALYSIS	1	1.0	1	2.0
	SURVEY ANALYSIS	1	1.0	0	0.0
	SURVEY PROCESSING PKG	1	1.0	0	0.0
		11	11.7	3	6.2

EXHIBIT 1
CURRENT USES OF MICROCOMPUTERS

APPLICATION	APPLICATION NAME	INSTALLED		PLANNED	
		#	%	#	%
POLICE					
	INTELLIGENCE (POLICE)	1	1.0	0	0.0
	OCCURRENCES--CAR DISPATCH	0	0.0	1	2.0
		1	1.0	1	2.0
PROPERTY					
	PROPERTY INDEX	1	1.0	0	0.0
		1	1.0	0	0.0
PUBLIC WORKS					
	FLEET MAINTENANCE	0	0.0	1	2.0
	MAINTENANCE MANAGEMENT	0	0.0	1	2.0
	PUMPING STATION MAINTNCE.	1	1.0	0	0.0
		1	1.0	2	4.1
PURCHASING					
	PURCHASING CONTROL	1	1.0	0	0.0
		1	1.0	0	0.0
ROADS					
	ROAD PROFILES	1	1.0	0	0.0
		1	1.0	0	0.0
SEWAGE					
	DRAINCALC (SEWAGE)	1	1.0	0	0.0
	SANITARY DESIGN	1	1.0	0	0.0

EXHIBIT 1
CURRENT USES OF MICROCOMPUTERS

APPLICATION	APPLICATION NAME	INSTALLED		PLANNED	
		#	%	#	%
	SANITARY SEWER DEF INVENT	2	2.1	0	0.0
	SEWAGE DATA	2	2.1	0	0.0
	SEWAGE FLOW ANALYSIS	0	0.0	1	2.0
	SEWER CONNECTIONS	1	1.0	0	0.0
	SEWER STORM CHECKS--SOARS	0	0.0	1	2.0
		7	7.4	2	4.1
SOCIAL SERVICES					
	BEHAVIOUR MGMT. DATA BASE	0	0.0	1	2.0
	DAY CARE DATA BASE	0	0.0	1	2.0
	STATISTICAL ANALYSIS	0	0.0	1	2.0
		0	0.0	3	6.2
TAXES					
	TAX ARREARS	1	1.0	0	0.0
	TAX WRITEOFFS	1	1.0	0	0.0
		2	2.1	0	0.0
TRAFFIC					
	S STOP/TRANSYT 7	0	0.0	1	2.0
	SCHOOLGUARD	1	1.0	1	2.0
	SIGNAL TIME	1	1.0	1	2.0
	SIGNLZD CAPACITY ANALYSIS	1	1.0	0	0.0
	TMC ANALYSIS	1	1.0	0	0.0
	TRAFFIC COUNT'S	1	1.0	0	0.0
	TRAFILE	1	1.0	0	0.0
	UN-SIGN CAPACITY ANALYSIS	1	1.0	0	0.0
	VOL TAPE	1	1.0	0	0.0
	VOLPLOT-GRAPHICS	0	0.0	1	2.0
	WARRANT	1	1.0	1	2.0
		9	9.5	5	10.4

EXHIBIT 1

CURRENT USES OF MICROCOMPUTERS

APPLICATION	APPLICATION NAME	INSTALLED		PLANNED	
		#	%	#	%
TRANSIT					
	MCTrans-Traffic Operation	1	1.0	0	0.0
	MOTORS	1	1.0	0	0.0
	Statistical Analysis	0	0.0	1	2.0
	Transportation Model	1	1.0	0	0.0
		3	3.1	1	2.0
UTILITIES-WATER					
	Water Billing	2	2.1	0	0.0
	Water Receivables	2	2.1	0	0.0
	Watermain Defnc Inventory	0	0.0	1	2.0
		4	4.2	1	2.0
SOLID WASTE					
	Management System	1	1.0	0	0.0
		1	1.0	0	0.0
WORD PROCESSING					
	Council Records System	1	1.0	0	0.0
		1	1.0	0	0.0
TOTAL APPLICATIONS		94	100.0	48	100.0
		=====	=====	=====	=====

EXHIBIT 1

CURRENT USES OF MICROCOMPUTERS
(continued)

	INSTALLED	
	#	%
GENERIC PACKAGES		
Spreadsheet/Worksheet	44	29
Word Processing	37	24
Data Base	28	18
Graphics	15	10
Communications	13	9
Scheduling	5	3
Compatibility Control	1	1
Filing	1	1
Fortran	1	1
Mailing List	1	1
Records Retrieval	1	1
Reports	1	1
Statistical Analysis	1	1
	---	---
TOTAL GENERIC PACKAGES	149	100%

Note: Percentages are based on the 77 municipalities of more than 5,000 population with current microcomputer installations.

COMMENTS BY MUNICIPALITIES

The survey asked about other matters related to the use of microcomputers. The responses showed that:

- . few larger municipalities have set standards for such things as hardware, software, operating systems, user training, and service contracts.
- . only 52% of respondents indicated that adequate training is available from vendors
- . most respondents are using self study microcomputer education
- . approximately 52% of micros are shared by 2 to 4 persons; 16% have one user
- . 80% of respondents indicated that the microcomputer is meeting its original objectives

In the general comments section, the advice most frequently given was to make sure that there is working software for the specific application that you want to automate. Other comments included:

- . select software before hardware
- . allow adequate capacity for future growth
- . determine functional and program objectives first
- . ensure that vendor provides demonstrations
- . ask for references from vendor
- . ensure compatibility with mainframe computer
- . join a microcomputer users group

TRENDS

The responses to the survey for municipalities with population more than 5,000 indicates that the "bread and butter" applications continue to reside on mini and mainframe computers. Very few larger municipalities have functional software such as general ledger, payroll, payables, etc on microcomputers.

The use of microcomputers in larger municipalities lies mainly with departments or sections that formerly did not have normal continued access to a computer for problem solving purposes. Departments such as Industrial Waste, Library, Parks and Museum are now routinely using micros.

The use of micros in municipal departments or sections is a trend that is expected to increase dramatically.

There is significant use now of generic software packages in larger municipalities and we would expect to see continued growth in this area as more vendors bring improved microcomputer software into the marketplace. The use of word processing by managers and other professionals is expected to increase the most in the next five years.

Currently, there seems to be a lack of formalized policies for the acquisition, implementation and use of microcomputers. However, several municipalities are now recognizing the importance of preparing a strategic plan.

3 - MUNICIPAL MICROCOMPUTER PROFILE

INTRODUCTION

This section of the Catalogue shows all the available data for each municipality. The Microcomputer Profiles are listed alphabetically by municipality name.

Shown in the Municipal Microcomputer Profile is the name and address of the contact person, the municipal population, the Ministry's reference number, a description of the microcomputer(s) in use, a description of the application(s), and a description of the microcomputer software used for each application.

16 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

BARRIE C
P.O. BOX 400
BARRIE, ONTARIO
L4M 4T5
Municipal Code: 70101

Contact Name : BARRY THOMPSON
Contact Title: ENERGY AUDITOR
Department : ENGINEERING
Phone Number : 705-726-4242
Population : 44111

MICROCOMPUTER ENVIRONMENT

Manufacturer: COMMODORE
Model : 64
Memory Size : 64 KB

Printer Speed : 50 CPS
Operating System #1: DOS 2.0
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
------	----------	-----

Floppy	170	1
Hard	0	0

Other Hardware : PRINTER

FUNCTIONAL PACKAGES

Application Name	Vendor
------------------	--------

NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name
------------------	----------	------------------

ENERGY CONSUMPTION	CALC-64	INTERNAL	Installed in 1984
--------------------	---------	----------	-------------------

GENERAL INFORMATION

BRANTFORD C
100 WELLINGTON SQUARE
BRANTFORD, ONTARIO
N3T 2M3
Municipal Code: 40101

Contact Name : FRANK DARVILLE
Contact Title:
Department : ENGINEERING
Phone Number : 519-759-4150
Population : 73264

MICROCOMPUTER ENVIRONMENT

Manufacturer: HONEYWELL
Model : 6/10
Memory Size : 512 KB

Printer Speed : 0 CPS
Operating System #1: MS-DOS
#2: CP/M 86

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	1300	2
Hard	0	0

Other Hardware :

18 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

BROCKVILLE C
VICTORIA HALL
BROCKVILLE, ONTARIO
K6V 3P5
Municipal Code: 56101

Contact Name : CAROL DELANEY
Contact Title: COMPUTER OPERATOR
Department : TREASURY
Phone Number : 613-342-8772
Population : 20169

MICROCOMPUTER ENVIRONMENT

Manufacturer: MAI/BASIC FOUR
Model : S-10
Memory Size : 64 KB

Printer Speed : 0 CPS
Operating System #1: CP/M
#2: BB/M

DISK CONFIGURATION

Type	Size(KB)	Num
------	----------	-----

Floppy	1310	2
Hard	0	0

Other Hardware :

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
SPREADSHEET/WORKSHEET	SUPERCALC	DEBENTURES	

GENERAL INFORMATION

BRUCE CO
P.O. BOX 70
WALKERTON, ONTARIO
NOG 2V0
Municipal Code: 41000

Contact Name : CLAUD BREEDE
Contact Title: DIRECTOR
Department : MUSEUM
Phone Number : 519-797-3644
Population : 58373

MICROCOMPUTER ENVIRONMENT

Manufacturer: APPLE
Model : IIE
Memory Size : 128 KB

Printer Speed : 120 CPS
Operating System #1: DOS 3.3
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	280	2
Hard	0	0

Other Hardware : PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
DATA BASE	PFS FILE	COLLECTIONS MGT	OTHER INVENTORY
GRAPHICS	PFS GRAPH	STAT. BASE	SURVEYS
REPORTS	PFS REPORT	COLLECTIONS	DONOR RECORDS
WORD PROCESSING	APPLEWRITER	MANUSCRIPTS	LETTERS

20 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

BURLINGTON C
P.O. BOX 5013
BURLINGTON, ONTARIO
L7R 3Z6
Municipal Code: 14101

Contact Name : JERRY A. KRAJEWSKI
Contact Title: ASST. DIRECTOR OF FINANCE
Department : FINANCE
Phone Number : 416-335-7740
Population : 113158

MICROCOMPUTER ENVIRONMENT

Manufacturer: WANG
Model : PC
Memory Size : 128 KB

Printer Speed : 20 CPS
Operating System #1: MS-DOS
#2: CP/M

DISK CONFIGURATION

Type	Size(KB)	Num
------	----------	-----

Floppy	720	2
Hard	0	0

Other Hardware : PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
COMMUNICATIONS	PC LOCAL	EMULATION	
SPREADSHEET/WORKSHEET	MULTIPLAN	FINANCIAL	

LOCAL AREA NETWORK

Network Product Name	# of Micros	
?	50	Planned for 1986

GENERAL INFORMATION

CHARLOTTENBURGH TP
P.O. BOX 40
WILLIAMSTOWN, ONTARIO
KOC 2J0
Municipal Code: 71601

Contact Name : MR. BRENT DAIGLE
Contact Title: RECREATION DIRECTOR
Department : RECREATION
Phone Number : 613-347-2411
Population : 6548

MICROCOMPUTER ENVIRONMENT

Manufacturer: G.R.F.
Model : VAVOC III
Memory Size : 64 KB

Printer Speed : 120 CPS
Operating System #1: DOS 3.3
#2:

DISK CONFIGURATION
Type Size(KB) Num

Floppy	0	0
Hard	0	0

Other Hardware : PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
SPREADSHEET/WORKSHEET	VISICALC	BUDGET	
WORD PROCESSING	APPLEWRITER	FORMS	

FUNCTIONAL PACKAGES

Application Name	Vendor
------------------	--------

NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name
------------------	----------	------------------

ACCOUNTING	BASIC	G.R.F.	Planned for 1984
INVENTORY	BASIC	G.R.F.	Planned for 1984
REGISTRATION	BASIC	G.R.F.	Planned for 1984
SCHEDULING	BASIC	G.R.F.	Planned for 1984

22 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

CHATHAM C
P.O. BOX 640
CHATHAM, ONTARIO
N7M 5K8
Municipal Code: 53101

Contact Name : W.J. DAY
Contact Title: DEPUTY TREASURER
Department : TREASURY
Phone Number : 519-352-4500
Population : 40454

MICROCOMPUTER ENVIRONMENT

Manufacturer: IBM
Model : PC
Memory Size : 256 KB

Printer Speed : 80 CPS
Operating System #1: DOS 1.1
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
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Floppy	640	2
Hard	0	0

Other Hardware : PR BUF 64K

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
COMMUNICATIONS	IBM 5250		
DATA BASE	TRIM III	TRANSIT	
GRAPHICS	LOTUS 1-2-3	TRANSIT BUDGET	
SPREADSHEET/WORKSHEET	LOTUS 1-2-3	BUDGET	RRAP BUILDING
WORD PROCESSING	PEACHTEXT	REPORTS	

FUNCTIONAL PACKAGES

Application Name	Vendor
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NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language Developer's Name
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SCHEDULING-FORM DESIGN	1-2-3	Installed in 1984
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COMMUNICATIONS

Database/Service Bureau/ Government Computer	Protocol	Primary Use	Secondary Use
IBM 36	5250	TERMINAL	

GENERAL INFORMATION

CORNWALL C	Contact Name : D. MCKIVER
360 PITT STREET	Contact Title: LAB MANAGER
CORNWALL, ONTARIO	Department : INDUSTRIAL WASTE
K6J 3P9	Phone Number : 821-932-2235
Municipal Code: 71101	Population : 45906

MICROCOMPUTER ENVIRONMENT

Manufacturer: APPLE	Printer Speed : 160 CPS
Model : IIE	Operating System #1: DOS 3.3
Memory Size : 128 KB	#2:

DISK CONFIGURATION			Other Hardware : PRINTER
Type	Size(KB)	Num	
<hr/>			
Floppy	640	2	
Hard	0	0	

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
GRAPHICS	PLOTTER	PLOTTING DATA	

24 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

DURHAM R
605 ROSSLAND RD EAST
WHITBY, ONTARIO
L1N 6A3
Municipal Code: 10000

Contact Name : LEN CSERHATI
Contact Title: SNR FINANCIAL ANALYST
Department : FINANCE (BUDGETS)
Phone Number : 416-571-3311
Population : 288153

MICROCOMPUTER ENVIRONMENT

Manufacturer: IBM
Model : PC/XT
Memory Size : 256 KB

Printer Speed : 60 CPS
Operating System #1: DOS 2.0
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
------	----------	-----

Floppy	360	1
Hard	10000	1

Other Hardware : MODEM
PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
COMMUNICATIONS	XTALK		
DATA BASE	DBASE II		
SPREADSHEET/WORKSHEET	LOTUS 1-2-3	BUDGETS	

COMMUNICATIONS

Database/Service Bureau/
Government Computer

Protocol	Primary Use	Secondary Use
MARS	FIN/STAT INFO	DEMOGRAPHICS

GENERAL INFORMATION

DURHAM R
605 ROSSLAND RD. EAST
WHITBY, ONTARIO
L1N 6A3
Municipal Code: 10000

Contact Name : G.W. GILL
Contact Title: SUPERVISOR,
Department : FINANCE, WATER BILLING
Phone Number : 416-571-3311
Population : 288153

MICROCOMPUTER ENVIRONMENT

Manufacturer: IBM
Model : PC/XT
Memory Size : 128 KB

Printer Speed : 160 CPS
Operating System #1: DOS 2.0
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
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Floppy	360	1
Hard	10000	1

Other Hardware : PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
SPREADSHEET/WORKSHEET	LOTUS 1-2-3	FINANCIAL AN	RATE MODEL

FUNCTIONAL PACKAGES

Application Name	Vendor
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NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name
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BUDGET ESTIMATES	BASIC	INTERNAL	Planned for 1984
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26 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

DURHAM R
605 ROSSLAND RD EAST
WHITBY, ONTARIO
L1N 6A3
Municipal Code: 10000

Contact Name : G.H. CUBITT
Contact Title: DIRECTOR
Department : DEPT OF SOCIAL SERVICES
Phone Number : 416-579-0622
Population : 288153

MICROCOMPUTER ENVIRONMENT

Manufacturer: IBM
Model : PC
Memory Size : 164 KB

Printer Speed : 40 CPS
Operating System #1: DOS 1.1
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	640	2
Hard	0	0

Other Hardware : AUTO SF

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
DATA BASE	DBASE II	PROGRAMME DATA	
SPREADSHEET/WORKSHEET	VISICALC	BUDGET PREP	ENCUM ACCOUTNIN
WORD PROCESSING	WORDSTAR	GENERAL REPORTS	DOCU FOR UPDATE

FUNCTIONAL PACKAGES

Application Name	Vendor
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NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name
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BEHAVIOUR MGMT. DATA BASE	DBASE II	UNKNOWN	Planned	for 1984
DAY CARE DATA BASE	DBASE II	UNKNOWN	Planned	for 1984
STATISTICAL ANALYSIS	BASIC	UNKNOWN	Planned	for 1984

GENERAL INFORMATION

DURHAM R
605 ROSSLAND RD EAST
WHITBY, ONTARIO
L1N 6A3
Municipal Code: 10000

Contact Name : D.H. MCMULLEN
Contact Title: MANAGER
Department : WORKS DEPARTMENT
Phone Number : 416-668-7721
Population : 288153

MICROCOMPUTER ENVIRONMENT

Manufacturer: IBM
Model : PC/XT
Memory Size : 320 KB

Printer Speed : 80 CPS
Operating System #1: DOS 2.0
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
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Floppy	360	1
Hard	10000	1

Other Hardware : QUADBOARD
QUADLINK
MODEM

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
SPREADSHEET/WORKSHEET	LOTUS 1-2-3		

FUNCTIONAL PACKAGES

Application Name	Vendor	
MCTrans-Traffic Operation	UNIVERSITY OF FLORIDA	Installed in 1984

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language Developer's Name
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NONE

28 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

DURHAM R
605 ROSSLAND RD EAST
WHITBY, ONTARIO
L1N 6A3
Municipal Code: 10000

Contact Name : A.F. LEITCHFF
Contact Title: MANAGER
Department : WORKS DEPARTMENT
Phone Number : 416-668-7721
Population : 288153

MICROCOMPUTER ENVIRONMENT

Manufacturer: APPLE
Model : II+
Memory Size : 64 KB

Printer Speed : 80 CPS
Operating System #1: DOS
#2: CP/M

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	640	2
Hard	0	0

Other Hardware : MODEM
PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
COMMUNICATIONS	SOFTERM	DEC VT100 TERM	
DATA BASE	VISIFILE	PERSONNEL FILE	
GRAPHICS	VISILOT	REPORT GENERAT	
SPREADSHEET/WORKSHEET	VISICALC	BUDGETS REPORTS	
WORD PROCESSING	WORDSTAR	GENERATION	

COMMUNICATIONS

Database/Service Bureau/
Government Computer

Protocol	Primary Use	Secondary Use
PDP 11/44	DATA REREIVA	
VAX 11/780	STATS PACKAGES	

GENERAL INFORMATION

DURHAM R	Contact Name : PETER NUNDY
605 ROSSLAND RD EAST	Contact Title: PROJ DESIGN ENGINEER
WHITBY, ONTARIO	Department : WORKS DEPARTMENT/DES DIV
L1N 6A3	Phone Number : 416-668-7721
Municipal Code: 10000	Population : 288153

MICROCOMPUTER ENVIRONMENT

Manufacturer: IBM	Printer Speed : 180 CPS
Model : PC/XT	Operating System #1: DOS 2.0
Memory Size : 320 KB	#2:

DISK CONFIGURATION

Type	Size(KB)	Num
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Floppy	360	1
Hard	10000	1

Other Hardware	: PRINTER
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SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
GRAPHICS	LOTUS 1-2-3		
SPREADSHEET/WORKSHEET	LOTUS 1-2-3	BUDGET	INVENTORY

FUNCTIONAL PACKAGES

Application Name	Vendor
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NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name
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SANITARY SEWER DEF INVENT	FORTRAN	INTERNAL	Installed in 1984
SANITARY SEWER DEF INVENT	BASIC	INTERNAL	Installed in 1984
SEWAGE FLOW ANALYSIS	FOR/BASI	INTERNAL	Planned for 1984
WATER NETWORK ANALYSIS	FORTRAN	INTERNAL	Planned for 1984
WATERMAIN DEFNC INVENTORY	BASIC	INTERNAL	Planned for 1984

30 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

DURHAM R
605 ROSSLAND RD EAST
WHITBY, ONTARIO
L1N 6A3
Municipal Code: 10000

Contact Name : GEORGE LYSENKO
Contact Title: MANAGER
Department : PLANNING DEPARTMENT
Phone Number : 416-668-7731
Population : 288153

MICROCOMPUTER ENVIRONMENT

Manufacturer: IBM
Model : PC
Memory Size : 512 KB

Printer Speed : 200 CPS
Operating System #1: DOS 2.0
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
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Floppy	640	2
Hard	10000	1

Other Hardware : HAYES--
SMART MODM
PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
COMMUNICATIONS	ASYNCHRONOUS	EDP SUPPLIER	
DATA BASE	DBASE II	LAND USE INVEN	SURVEY TAB
GRAPHICS	LOTUS 1-2-3	PLANN ANALYSIS	ADMIN
SPREADSHEET/WORKSHEET	LOTUS 1-2-3	PLANN ANALYSIS	ADMIN
WORD PROCESSING	WORDSTAR	REPORT GENERATI	EDITING

FUNCTIONAL PACKAGES

Application Name	Vendor	
GRAPHIC PACKAGE	INTERNAL	Planned for 1984

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name	
NOISE CONTROL	BASIC	INTERNAL	Installed in 1983
PLANNING ANALYSIS PKG	BASIC	INTERNAL	Installed in 1983
SURVEY PROCESSING PKG	BASIC	INTERNAL	Installed in 1984

COMMUNICATIONS

Database/Service Bureau/ Government Computer	Protocol	Primary Use	Secondary Use
CANADA SYSTEMS GROUP	MVS/TSO	JOB SUBMISSION	DATA DOWNLOADIN

GENERAL INFORMATION

DURHAM R
605 ROSSLAND RD EAST
WHITBY, ONTARIO
L1N 6A3
Municipal Code: 10000

Contact Name : LAWRENCE KOTSEFF
Contact Title: MANAGER
Department : PLANNING DEPARTMENT
Phone Number : 416-668-7731
Population : 288153

MICROCOMPUTER ENVIRONMENT

Manufacturer: IBM
Model : PC/XT
Memory Size : 512 KB

Printer Speed : 80 CPS
Operating System #1: DOS 2.0
#2:

DISK CONFIGURATION
Type Size(KB) Num

Floppy	360	1
Hard	10000	1

Other Hardware : PRINTER

FUNCTIONAL PACKAGES**Application Name****Vendor**

MOTORS

M.M. DILLON

Installed in 1984

CUSTOM DEVELOPED APPLICATIONS**Application Name****Language Developer's Name**

PLANNING ANALYSIS PKG	BASIC	INTERNAL	Installed in 1984
SIGNLZD CAPACITY ANALYSIS	BASIC	INTERNAL	Installed in 1984
UN-SIGN CAPACITY ANALYSIS	BASIC	INTERNAL	Installed in 1984

32 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

EAST YORK B
550 MORTIMER AVENUE
TORONTO, ONTARIO
M4J 2H2
Municipal Code: 01204

Contact Name : MARTIN WORNDL
Contact Title: ENERGY COORDINATOR
Department : PLANNING
Phone Number : 416-461-9451
Population : 99448

MICROCOMPUTER ENVIRONMENT

Manufacturer: IBM
Model : PC
Memory Size : 512 KB

Printer Speed : 100 CPS
Operating System #1: DOS 1.1
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	640	2
Hard	0	0

Other Hardware : EPSON 100
MX PRINTER
QUADBOARD

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
DATA BASE	LOTUS 1-2-3	ENERGY	CENSUS
GRAPHICS	LOTUS 1-2-3	ENERGY	CENSUS
SPREADSHEET/WORKSHEET	LOTUS 1-2-3	ENERGY DATA	INVENTORY SCHED

FUNCTIONAL PACKAGES

Application Name	Vendor
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NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name
ENERGY-JOB CONTROL	1-2-3	Installed in 1984
PURCHASING CONTROL	1-2-3	Installed in 1984

GENERAL INFORMATION

FORT ERIE T
200 JARVIS STREET
FORT ERIE, ONTARIO
L2A 2S6
Municipal Code: 18401

Contact Name : THOMAS DERRECK
Contact Title: CLERK ADMINISTRATOR
Department : ADMINISTRATIONS
Phone Number : 416-871-1600
Population : 24136

MICROCOMPUTER ENVIRONMENT

Manufacturer: XEROX
Model : 820-II
Memory Size : 128 KB

Printer Speed : 80 CPS
Operating System #1: CP/M 2.2
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	980	1
Hard	0	0

Other Hardware : PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
DATA BASE	XEROX		
WORD PROCESSING	XEROX	CLERK S DEPT	PERSONNEL OFF

GENERAL INFORMATION

FORT ERIE T	Contact Name : RICHARD MCLAGAN
200 JARVIS STREET	Contact Title: COMMUN RENEWAL OFFICER
FORT ERIE, ONTARIO	Department : BUILDING & PLANNING
L2A 2S6	Phone Number : 416-871-1600
Municipal Code: 18401	Population : 24136

MICROCOMPUTER ENVIRONMENT

Manufacturer: XEROX	Printer Speed : 80 CPS
Model : 16/8	Operating System #1: CP/M-80
Memory Size : 128 KB	#2: MS-DOS

DISK CONFIGURATION			Other Hardware : PRINTER
Type	Size(KB)	Num	
<hr/>			
Floppy	980	1	
Hard	0	0	

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
DATA BASE	DBASE II		
GRAPHICS	BUS. GRAPHIC		
SCHEDULING	MILESTONE		
SPREADSHEET/WORKSHEET	MULTIPLAN		
WORD PROCESSING	SELECT		

GENERAL INFORMATION

GRIMSBY T
P.O. BOX 159
GRIMSBY, ONTARIO
L3M 4G3
Municipal Code: 18402

Contact Name : D.G. HALLAM
Contact Title: DEPUTY TREASURER
Department : TREASURY
Phone Number : 416-945-9634
Population : 16007

MICROCOMPUTER ENVIRONMENT

Manufacturer: RADIO SHACK
Model : MODEL 3
Memory Size : 48 KB

Printer Speed : 36 CPS
Operating System #1: TRS
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
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Floppy	156	1
Hard	0	0

Other Hardware : PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
DATA BASE	PROFILE		
SPREADSHEET/WORKSHEET	VISICALC		
WORD PROCESSING	SUPERCALC		

36 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

GUELPH C
59 CARDEN STREET
GUELPH, ONTARIO
N1H 3A1
Municipal Code: 75101

Contact Name : N.C. MCLEOD
Contact Title: CHIEF LIBRARIAN
Department : PUBLIC LIBRARY
Phone Number : 519-824-6057
Population : 76658

MICROCOMPUTER ENVIRONMENT

Manufacturer: VICTOR
Model : 9000
Memory Size : 128 KB

Printer Speed : 80 CPS
Operating System #1: CP/M-86
#2: MS-DOS

DISK CONFIGURATION

Type	Size(KB)	Num
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Floppy	1200	1
Hard	0	0

Other Hardware : PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
DATA BASE	DBASE II		
SPREADSHEET/WORKSHEET	WORDSTAR		

GENERAL INFORMATION

GUELPH C
59 CARDEN STREET
GUELPH, ONTARIO
N1H 3A1
Municipal Code: 75101

Contact Name : R.S. NEVIN
Contact Title: SYSTEM MANAGER
Department : DATA PROCESSING
Phone Number : 519-822-1260
Population : 76658

MICROCOMPUTER ENVIRONMENT

Manufacturer: IBM
Model : PC
Memory Size : 512 KB

Printer Speed : 160 CPS
Operating System #1: DOS 2.0
#2: WATCOM 1.1

DISK CONFIGURATION
Type Size(KB) Num

Type	Size(KB)	Num
Floppy	360	1
Hard	0	0

Other Hardware : MODEM
PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
COMMUNICATIONS	WATCOM 1.1	ELECTRONIC MAIL	DATA BASE
DATA BASE	PC/FILE	MAILING LIST	
DATA BASE	D.EDIT	EDITOR	
DATA BASE	DBASE II	INVENTORY	
SPREADSHEET/WORKSHEET	VISICALC	BUDGET	
WORD PROCESSING	WORDSTAR	CORRESPONDENCE	REPORT WRITING

FUNCTIONAL PACKAGES

Application Name	Vendor
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NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name
INVENTORY	DBASE II	INTERNAL Installed in 1983
PERSONNEL RECORDS	DBASE II	INTERNAL Installed in 1983

COMMUNICATIONS

Database/Service Bureau/ Government Computer	Protocol	Primary Use	Secondary Use
UN OF WATERLOO	WATCOM	COLL/MANAGEMENT	ELECTRONIC MAIL
CAN HERITAGE INFO NW	CHIN	MUSEUM INFO	

GENERAL INFORMATION

GUELPH C
59 CARDEN STREET
GUELPH, ONTARIO
N1H 3A1
Municipal Code: 75101

Contact Name : R.S. NEVIN
Contact Title: SYSTEM MANAGER
Department :
Phone Number : 519-822-1260
Population : 76658

MICROCOMPUTER ENVIRONMENT

Manufacturer: IBM
Model : PC
Memory Size : 256 KB

Printer Speed : 40 CPS
Operating System #1: DOS 2.0
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
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Floppy	360	1
Hard	12000	1

Other Hardware : TALLGRASS

GENERAL INFORMATION

GUELPH C
59 CARDEN STREET
GUELPH, ONTARIO
N1H 3A1
Municipal Code: 75101

Contact Name : LOIS PUTNEY
Contact Title: DEPUTY CLERK
Department : CLERK'S DEPARTMENT
Phone Number : 519-822-1260
Population : 76658

MICROCOMPUTER ENVIRONMENT

Manufacturer: NELMA
Model : WORD 15
Memory Size : 64 KB

Printer Speed : 32 CPS
Operating System #1: MS-DOS
#2:

DISK CONFIGURATION
Type Size(KB) Num

Floppy	600	1
Hard	0	0

Other Hardware : PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
SPREADSHEET/WORKSHEET	UNKNOWN		
WORD PROCESSING	HYBRID WP		

40 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

HALDIMAND T
P.O. BOX 400
CAYUGA, ONTARIO
NOA 1E0
Municipal Code: 12402

Contact Name : TOM DAVIES
Contact Title: COMM. DEVELOPMENT COORD.
Department : TREASURY
Phone Number : 416-772-3324
Population : 16626

MICROCOMPUTER ENVIRONMENT

Manufacturer: CORONA
Model : PC-2
Memory Size : 256 KB

Printer Speed : 140 CPS
Operating System #1: MS-DOS
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
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Floppy	640	2
Hard	0	0

Other Hardware : PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
SPREADSHEET/WORKSHEET	LOTUS 1-2-3	BUDGET PLANNING	GRANT REPORTS
WORD PROCESSING	MULTIMATE	BYLAW UPDATE	LETTERS, MEMOS

GENERAL INFORMATION

HALTON R
1151 BRONTE RD
OAKVILLE, ONTARIO
L6J 6E1
Municipal Code: 14000

Contact Name : WINSTON ENG
Contact Title: SUPERVISOR, SYSTEM & DATA
Department : FINANCE
Phone Number : 416-827-2151
Population : 254085

MICROCOMPUTER ENVIRONMENT

Manufacturer: COMMODORE
Model : 8032
Memory Size : 32 KB

Printer Speed : 160 CPS
Operating System #1: PET DOS
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
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Floppy	1000	2
Hard	0	0

Other Hardware : PRINTER

FUNCTIONAL PACKAGES

Application Name	Vendor
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NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name
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TRUST ACCOUNTING	BASIC	HALTON/QUASAR	Installed in 1983
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42 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

HALTON R
1151 BRONTE ROAD
OAKVILLE, ONTARIO
L6J 6E1
Municipal Code: 14000

Contact Name : HO WONG
Contact Title: MANAGER
Department : PLANNING & DEVELOPMENT
Phone Number : 416-827-2151
Population : 254085

MICROCOMPUTER ENVIRONMENT

Manufacturer: RADIO SHACK
Model : MODEL 4
Memory Size : 64 KB

Printer Speed : 43 CPS
Operating System #1: TRS DOS
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	500	1
Hard	0	0

Other Hardware : 2 EX DRIVE
2 PLOTTERS
1 DIGITIZE

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
DATA BASE	PROFILE PLUS		
GRAPHICS	TRS GRAPHIC		
MAILING LIST	TRS		
SPREADSHEET/WORKSHEET	VISICALC		
STATISTICAL ANALYSIS	TRS		
WORD PROCESSING	SCRIPT		

FUNCTIONAL PACKAGES

Application Name	Vendor
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NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name
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COMPUTER MAPPING	BASIC	INTERNAL	Planned for 1984
COUNCIL RECORDS SYSTEM	BASIC	INTERNAL	Installed in 1981
DEVELOP APP PROCESSING	BASIC	INTERNAL	Installed in 1982
LIBRARY CATALOGUING	BASIC	INTERNAL	Installed in 1981
TRANSPORTATION MODEL	BASIC	TRANPLAN	Installed in 1983

GENERAL INFORMATION

HALTON R	Contact Name : PETER D. DREYER
1151 BRONTE ROAD	Contact Title: MANAGER
OAKVILLE, ONTARIO	Department : HEALTH
L6J 6E1	Phone Number : 416-827-2151
Municipal Code: 14000	Population : 254085

MICROCOMPUTER ENVIRONMENT

Manufacturer: APPLE	Printer Speed : 80 CPS
Model : II+	Operating System #1: APPLE DOS
Memory Size : 64 KB	#2:

DISK CONFIGURATION			Other Hardware : CARD READ
Type	Size(KB)	Num	80 COL CAR

Floppy	500	1	PRINTER
Hard	0	0	

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
SPREADSHEET/WORKSHEET	VISICALC	PROGRAM BUDGETS	
WORD PROCESSING	APPLEWRITER	CORRES/REPORTS	

FUNCTIONAL PACKAGES

Application Name	Vendor
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NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name	
FOOD HANDLERS COURSE	BASIC	HALTON HEALTH DEPT	Planned for 1984
WELLNESS CHECK	BASIC	RHODE IS DEPT OF HEALTH	Installed in 1983

44 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

HAMILTON - WENTWORTH R
119 KING STREET WEST
HAMILTON, ONTARIO
L8N 3V9
Municipal Code: 16000

Contact Name : LAN CALBICK
Contact Title: CHIEF LIBRARIAN
Department : WENTWORTH LIBRARY
Phone Number : 416-526-4126
Population : 414175

MICROCOMPUTER ENVIRONMENT

Manufacturer: RADIO SHACK
Model : TRS 80
Memory Size : 64 KB

Printer Speed : 160 CPS
Operating System #1: TRS DOS-11
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	370	1
Hard	0	0

Other Hardware : PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
DATA BASE	PROFILE	FUNCTION APPLIC	
SPREADSHEET/WORKSHEET	VISICALC	BAS OF CUS/APPL	STATISTICS
WORD PROCESSING	UNKNOWN		

FUNCTIONAL PACKAGES

Application Name	Vendor	
ACCOUNTS PAYABLE	VORTEX SYSTEMS	Installed in 1983
BUDGETING	VORTEX SYSTEMS	Planned for 1984
FINANCIAL REPORTING	VORTEX SYSTEMS	Installed in 1983
PAYROLL	VORTEX SYSTEMS	Installed in 1983

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language Developer's Name
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NONE

GENERAL INFORMATION

HAMILTON - WENTWORTH R
119 KING STREET WEST
HAMILTON, ONTARIO
L8N 3V9
Municipal Code: 16000

Contact Name : IAN CALBICK
Contact Title: CHIEF LIBRARIAN
Department : WENTWORTH LIBRARY
Phone Number : 416-526-4126
Population : 414175

MICROCOMPUTER ENVIRONMENT

Manufacturer: RADIO SHACK
Model : TRS 80
Memory Size : 128 KB

Printer Speed : 43 CPS
Operating System #1: TRS DOS-16
#2: ZENIX

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	24000	2
Hard	16800	2

Other Hardware : AUTO SHEET
-FEEDER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
WORD PROCESSING	SCRIPSIT	DOCUMENT PRODTN	

FUNCTIONAL PACKAGES

Application Name	Vendor	
ACCOUNTS PAYABLE	VORTEX SYSTEMS	Planned for 1984
BUDGETING	VORTEX SYSTEMS	Planned for 1984
FINANCIAL REPORTING	VORTEX SYSTEMS	Planned for 1984
PAYROLL	VORTEX SYSTEMS	Planned for 1984

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name
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NONE

46 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

HAMILTON - WENTWORTH R
119 KING STREET WEST
HAMILTON, ONTARIO
L8N 3V9
Municipal Code: 16000

Contact Name : G.F. LAKE
Contact Title: SUPERVISING CHEMIST
Department : ENGINEERING DEPT
Phone Number : 416-526-4454
Population : 414175

MICROCOMPUTER ENVIRONMENT

Manufacturer: RADIO SHACK
Model : MODEL 1
Memory Size : 48 KB

Printer Speed : 60 CPS
Operating System #1: LDOS 5.1.3
#2: TRS DOS2.3

DISK CONFIGURATION
Type Size(KB) Num

Other Hardware : MODEM
PRINTER

Floppy	630	4
Hard	0	0

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
SPREADSHEET/WORKSHEET	VISICALC	FORECASTING	PLANNING
WORD PROCESSING	SCRIPSIT	REPORTING	

FUNCTIONAL PACKAGES

Application Name	Vendor
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NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name
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CHEMICAL ABSTRACT FILE	BASIC	INTERNAL	Installed in 1980
CONSERVATION DATA	BASIC	INTERNAL	Installed in 1980
SEWAGE DATA	BASIC	INTERNAL	Installed in 1981
WATERWORKS DATA	BASIC	INTERNAL	Installed in 1982

LOCAL AREA NETWORK

Network Product Name	# of Micros
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?	2	Planned for 1984
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GENERAL INFORMATION

HAMILTON - WENTWORTH R
119 KING STREET WEST
HAMILTON, ONTARIO
L8N 3V9
Municipal Code: 16000

Contact Name : G.F. LAKE
Contact Title: SUPERVISING CHEMIST
Department : ENGINEERING DEPT
Phone Number : 416-526-4295
Population : 414175

MICROCOMPUTER ENVIRONMENT

Manufacturer: RADIO SHACK
Model : MODEL 4
Memory Size : 128 KB

Printer Speed : 100 CPS
Operating System #1: LDOS 5.1.3
#2: TRS DOS 6

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	0	0
Hard	0	0

Other Hardware : MODEM
PLOTTER
PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
SPREADSHEET/WORKSHEET	VISICALC	FORECASTING	PLANNING
WORD PROCESSING	SUPERSCRT	REPORTING	

FUNCTIONAL PACKAGES

Application Name	Vendor
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NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name	
CHEMICAL ABSTRACT FILE	BASIC	INTERNAL	Installed in 1980
CONSERVATION DATA	BASIC	INTERNAL	Installed in 1980
SEWAGE DATA	BASIC	INTERNAL	Installed in 1981
WATERWORKS DATA	BASIC	INTERNAL	Installed in 1983

LOCAL AREA NETWORK

Network Product Name	# of Micros	
?	2	Planned for 1984

48 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

HAMILTON - WENTWORTH R
119 KING STREET WEST
HAMILTON, ONTARIO
L8N 3V9
Municipal Code: 16000

Contact Name : WALTER BRAMBERGER
Contact Title: PLANNER
Department : PLANNING
Phone Number : 416-526-4358
Population : 414175

MICROCOMPUTER ENVIRONMENT

Manufacturer: HEWLETT-PACKARD
Model : 2647A
Memory Size : 96 KB

Printer Speed : 180 CPS
Operating System #1: PROPRIET
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
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Floppy	220	2
Hard	0	0

Other Hardware : PLOTTER
PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
GRAPHICS	H-P MULIPILOT	BUSINESS GRAPH	

FUNCTIONAL PACKAGES

Application Name	Vendor
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NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name
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STATISTICAL ANALYSIS	BASIC	HEWLETT-PACKARD	Installed in 1980
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COMMUNICATIONS

Database/Service Bureau/
Government Computer

Protocol	Primary Use	Secondary Use
ASYNCH	PLANNING INFO.	
ASYNCH	SAS	

MARS
CITY OF TORONTO

GENERAL INFORMATION

HAMILTON - WENTWORTH R
119 KING STREET WEST
HAMILTON, ONTARIO
L8N 3V9
Municipal Code: 16000

Contact Name : CHRIS CARVER
Contact Title: SYSTEMS ANALYST
Department : FINANCE
Phone Number : 416-526-4252
Population : 414175

MICROCOMPUTER ENVIRONMENT

Manufacturer: WANG
Model : PC
Memory Size : 128 KB

Printer Speed : 80 CPS
Operating System #1: MS-DOS
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	720	2
Hard	0	0

Other Hardware : LOCAL COMM
MODEM

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
COMMUNICATIONS	TTY #2780	MICRO-VS NETWRK	

FUNCTIONAL PACKAGES

Application Name	Vendor
NONE	

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name
MANAGEMENT SYSTEM	COBOL	INTERNAL

Installed in 1984

COMMUNICATIONS

Database/Service Bureau/ Government Computer	Protocol	Primary Use	Secondary Use
MARS	TTY	FINANCIAL INFO	
CITY OF TORONTO	TTY	SAS	

GENERAL INFORMATION

HAMILTON - WENTWORTH R
119 KING STREET WEST
HAMILTON, ONTARIO
L8N 3V9
Municipal Code: 16000

Contact Name : CHRIS CARVER
Contact Title: SYSTEMS ANALYST
Department : FINANCE
Phone Number : 416-526-4252
Population : 414175

MICROCOMPUTER ENVIRONMENT

Manufacturer: WANG
Model : PC
Memory Size : 128 KB

Printer Speed : 80 CPS
Operating System #1: MS-DOS
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
------	----------	-----

Other Hardware : LOCAL COMM

Floppy	720	2
Hard	0	0

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
COMMUNICATIONS	WANG TTY	MICRO-VS NETWRK	OTHER SYSTEMS
SPREADSHEET/WORKSHEET	MULTIPLAN	SPREADHSEET	

GENERAL INFORMATION

HAMILTON - WENTWORTH R
119 KING STREET WEST
HAMILTON, ONTARIO
L8N 3V9
Municipal Code: 16000

Contact Name : M. CHIDLEY
Contact Title: REGIONAL SURVEYOR
Department : ENGINEERING
Phone Number : 416-526-4208
Population : 414175

MICROCOMPUTER ENVIRONMENT

Manufacturer: RADIO SHACK
Model : TRS 80
Memory Size : 64 KB

Printer Speed : 160 CPS
Operating System #1: TRS-DOS
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	1528	1
Hard	0	0

Other Hardware : MODEM
PLOTTER
DIGITIZER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
COMMUNICATIONS	DC MODEM		
GRAPHICS	GRAPH/BASIC	PARCELS OF LAND	
SPREADSHEET/WORKSHEET	VISICALC	ACCOUNT/BUDGET	CONTROL
WORD PROCESSING	SCRIPSIT	LEGAL DOCUMENT	LETTERS

FUNCTIONAL PACKAGES

Application Name	Vendor
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NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name	
CONTROL MON INDEX	SCRIPSIT	INTERNAL	Installed in 1981
COORDINATE GEOMETRY	BASIC	INTERNAL	Installed in 1981
PLAN INDEX	BASIC	INTERNAL	Installed in 1981
PROPERTY INDEX	BASIC	INTERNAL	Installed in 1981

COMMUNICATIONS

Database/Service Bureau/ Government Computer	Protocol	Primary Use	Secondary Use
MNR	OCCASIONALL		

GENERAL INFORMATION

KANATA C
150, KATIMAVIK ROAD
KANATA, ONTARIO
K2L 2N3
Municipal Code: 20103

Contact Name : SCOTT MORRIS
Contact Title: TREASURER
Department : FINANCE
Phone Number : 613-592-4281
Population : 20529

MICROCOMPUTER ENVIRONMENT

Manufacturer: VICTOR
Model : 9000
Memory Size : 520 KB

Printer Speed : 35 CPS
Operating System #1: MS-DOS
#2: CP/M-86

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	1200	2
Hard	0	0

Other Hardware :

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
SPREADSHEET/WORKSHEET	REPORT MGR	FINANCE	
WORD PROCESSING	VICTORWRITER	CLERICAL	

FUNCTIONAL PACKAGES

Application Name	Vendor
NONE	

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language Developer's Name
NONE	

GENERAL INFORMATION

KENT CO
P.O. BOX 1230
CHATHAM, ONTARIO
N7M 5L8
Municipal Code: 53000

Contact Name : JAMES LUNDAY
Contact Title: TREASURER
Department :
Phone Number : 519-354-5230
Population : 104282

MICROCOMPUTER ENVIRONMENT

Manufacturer: COMMODORE
Model : 64
Memory Size : 64 KB

Printer Speed : 150 CPS
Operating System #1: COMMODORE
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
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Floppy	640	2
Hard	0	0

Other Hardware :

FUNCTIONAL PACKAGES

Application Name	Vendor
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LIB. BOOK OVERDUE NOTICES	COMMODORE	Installed in 1983
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CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name
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NONE

GENERAL INFORMATION

KINGSTON C
COUNTER STREET AT
LAPPAN'S LANE, KINGSTON
K7L 4X7
Municipal Code: 46101

Contact Name : ARNOLD MAISEN
Contact Title: CHIEF LIBRARIAN
Department : KINGSTON PUBLIC LIBRARY
Phone Number : 613-549-8888
Population : 60313

MICROCOMPUTER ENVIRONMENT

Manufacturer: APPLE
Model : III
Memory Size : 192 KB

Printer Speed : 80 CPS
Operating System #1: CP/M
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
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Floppy	640	2
Hard	0	0

Other Hardware : MODEM

FUNCTIONAL PACKAGES

Application Name	Vendor
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NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name
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BULLETIN BOARD (LIBRARY)	BASIC	INTERNAL	Planned for 1984
DIAL-A-COURSE-EDUCATIONAL	BASIC	INTERNAL	Planned for 1984

COMMUNICATIONS

Database/Service Bureau/ Government Computer	Protocol	Primary Use	Secondary Use
INFOGLOBE		INFO RETRIEVAL	
DIALOG		INFO RETRIEVAL	

GENERAL INFORMATION

KINGSTON C
COUNTER STREET AT
LAPPAN'S LANE, KINGSTON
K7L 4X7
Municipal Code: 46101

Contact Name : CST. RANDY F. ELLIOTT
Contact Title:
Department : STAFF SERVICES / POLICE
Phone Number : 613-549-4660
Population : 60313

MICROCOMPUTER ENVIRONMENT

Manufacturer: COLUMBIA
Model : MPC
Memory Size : 384 KB

Printer Speed : 340 CPS
Operating System #1: CP/M-86
#2: MS-DOS

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	640	2
Hard	20000	1

Other Hardware : PRINTER

FUNCTIONAL PACKAGES

Application Name	Vendor
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NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name
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INTELLIGENCE (POLICE)	PASCAL	ELLACOTT, BOYLE & ASSOC. Installed in 1984
OCCURRENCES--CAR DISPATCH	PASCAL	ELLACOTT, BOYLE & ASSOC. Planned for 1985

56 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

KINGSTON C
COUNTER STREET AT
LAPPAN'S LANE, KINGSTON
K7L 4X7
Municipal Code: 46101

Contact Name : JOHN DUNNETT
Contact Title: E.D.P. SUPERVISOR
Department : RIDEAUCREST NURSING HOME
Phone Number : 613-546-1181
Population : 60313

MICROCOMPUTER ENVIRONMENT

Manufacturer: COMMODORE
Model : 9000
Memory Size : 96 KB

Printer Speed : 150 CPS
Operating System #1: DOS 4.2
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
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Floppy	500	1
Hard	0	0

Other Hardware : PRINTER

FUNCTIONAL PACKAGES

Application Name	Vendor	
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PATIENT MOVEMENT

UNKNOWN

Planned for 1984

TRUST ACCOUNTING

UNKNOWN

Planned for 1984

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language Developer's Name
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NONE

GENERAL INFORMATION

KITCHENER C	Contact Name : VINCENT MAUCERI
P.O. BOX 1118	Contact Title: SENIOR TRANSP. SUPERVISOR
KITCHENER, ONTARIO	Department : TRANS. SERVICES
N2G 4G7	Phone Number : 519-885-7187
Municipal Code: 25102	Population : 141438

MICROCOMPUTER ENVIRONMENT

Manufacturer: DEC	Printer Speed : 100 CPS
Model : RAINBOW	Operating System #1: MS-DOSV2.1
Memory Size : 256 KB	#2: CPM-86

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	800	1
Hard	0	0

Other Hardware : PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
DATA BASE	LOTUS 1-2-3		
GRAPHICS	LOTUS 1-2-3	STATISTICS	
SCHEDULING	LOTUS 1-2-3	PROJECT PLANS	
SPREADSHEET/WORKSHEET	LOTUS 1-2-3	STATISTICS	
WORD PROCESSING	SELECT	CORRESPONDENCE	NEWSLETTER

FUNCTIONAL PACKAGES

Application Name	Vendor	
BUDGETING	URBAN MASS TRANSIT ADMIN.	Planned for 1984
STATISTICAL ANALYSIS	URBAN MASS TRANSIT ADMIN.	Planned for 1984

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language Developer's Name
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NONE

COMMUNICATIONS

Database/Service Bureau/ Government Computer	Protocol	Primary Use	Secondary Use
VAX 11/750		ACCESS DATABASE	

GENERAL INFORMATION

LINDSAY T	Contact Name : P. LUTHER
180 KENT ST. W.	Contact Title: PROGRAMMER
LINDSAY, ONTARIO	Department : TREASURY
K9V 2Y6	Phone Number : 705-324-6171
Municipal Code: 72401	Population : 14094

MICROCOMPUTER ENVIRONMENT

Manufacturer: COMMODORE	Printer Speed : 0 CPS
Model : 64	Operating System #1: COMMODORE
Memory Size : 64 KB	#2:

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	171	1
Hard	0	0

Other Hardware :

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
WORD PROCESSING	SCRIPT 64	BYLAWS	LETTERS

GENERAL INFORMATION

LINDSAY T	Contact Name : PERCY LUTHER
180 KENT ST. W.	Contact Title: PROGRAMMER
LINDSAY, ONTARIO	Department : TREASURY
K9V 2Y6	Phone Number : 705-324-6171
Municipal Code: 72401	Population : 14094

MICROCOMPUTER ENVIRONMENT

Manufacturer: DEC	Printer Speed : 40 CPS
Model : VT 180	Operating System #1: CP/M
Memory Size : 64 KB	#2:

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	342	1
Hard	0	0

Other Hardware : PRINTER

FUNCTIONAL PACKAGES

Application Name	Vendor
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NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name	
ACCOUNTS PAYABLE	MBASIC	INTERNAL	Planned for 1984
GENERAL LEDGER	MBASIC	INTERNAL	Planned for 1984
SINKING FUND DEBENTURE	MBASIC	INTERNAL	Installed in 1984
TAX ARREARS	MBASIC	INTERNAL	Installed in 1983

GENERAL INFORMATION

LINDSAY T
180 KENT ST. W.
LINDSAY, ONTARIO
K9V 2Y6
Municipal Code: 72401

Contact Name : TREVOR LEWIS
Contact Title: TOWN ENGINEER
Department : ENGINEERING
Phone Number : 705-324-2712
Population : 14094

MICROCOMPUTER ENVIRONMENT

Manufacturer: RADIO SHACK
Model : MODEL 16
Memory Size : 128 KB

Printer Speed : 130 CPS
Operating System #1: TRSDOS 4.2
#2: TRS XENIX

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	486	1
Hard	0	0

Other Hardware : DISK DRIVE
PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
DATA BASE	PROFILE	ROADS, SEWERS	
SPREADSHEET/WORKSHEET	VISICALC	BUDGET	PAYMENT CERT.
WORD PROCESSING	SCRIPSIT	AGREEMENTS	FORM LETTERS

FUNCTIONAL PACKAGES

Application Name	Vendor
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NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name
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EARTH EXCAVATION CALC'S	BASIC	INTERNAL	Installed in 1983
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GENERAL INFORMATION

MISSISSAUGA C
1 CITY CENTRE DRIVE
MISSISSAUGA, ONTARIO
L5B 1M2
Municipal Code: 21102

Contact Name : ROBERT K. MCKEAN
Contact Title: DATA PROCESSING
Department :
Phone Number : 416-279-7600
Population : 324853

MICROCOMPUTER ENVIRONMENT

Manufacturer: DEC
Model : RAINBOW
Memory Size : 128 KB

Printer Speed : 280 CPS
Operating System #1: MS-DOS
#2: CP/M

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	800	1
Hard	10000	1

Other Hardware : MODEM
TAPE DR
INTER ADAP

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
COMMUNICATIONS	UNKNOWN	MAIN TO MICRO	
COMPATIBILITY CONTROL	INTER/MAINF		
WORD PROCESSING	SELECT	LETTER/REPORTS	

FUNCTIONAL PACKAGES

Application Name	Vendor	
MICRO COGO	MICRO COMP	Planned for 1984
STATISTICAL ANALYSIS	UNKNOWN	Planned for 1984

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name	
CULVERT DESIGN	FORTRAN	INTERNAL	Planned for 1984
GEO. CONVERSION (3 TO 6)	FORTRAN	INTERNAL	Planned for 1984
MIDAS (SCS)-CONSERVATION	FORTRAN	INTERNAL	Planned for 1984
MISS. HYETOGRAPH	FORTRAN	INTERNAL	Planned for 1984
SEWER STORM CHECKS--SOARS	COBOL	INTERNAL	Planned for 1984

COMMUNICATIONS

Database/Service Bureau/ Government Computer	Protocol	Primary Use	Secondary Use
UNIVAC 1100		LARGE PROGRAM	STORAGE

62 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

NEPEAN C
3825 RICHMOND ROAD
NEPEAN, ONTARIO
K2H 5C2
Municipal Code: 20104

Contact Name : D. TOMALTY
Contact Title: SR. PERSONNEL OFFICER
Department : PERSONNEL
Phone Number : 613-829-1510
Population : 85737

MICROCOMPUTER ENVIRONMENT

Manufacturer: XEROX
Model : 820-II
Memory Size : 64 KB

Printer Speed : 40 CPS
Operating System #1: CP/M
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
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Floppy	243	1
Hard	0	0

Other Hardware : PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
DATA BASE	DBASE II	APPLIC. INDEX	TRAINING REC'S
WORD PROCESSING	UNKNOWN	PERSONNEL DOC.	CONTRACT/LETTER

FUNCTIONAL PACKAGES

Application Name	Vendor
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NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language Developer's Name
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CONTRACT COSTING	BASIC 80 UNKNOWN
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GENERAL INFORMATION

NEPEAN C
3825 RICHMOND ROAD
NEPEAN, ONTARIO
K2H 5C2
Municipal Code: 20104

Contact Name : CHARLES WHITE
Contact Title: DIRECTOR OF REVENUE
Department : FINANCE
Phone Number : 613-829-1510
Population : 85737

MICROCOMPUTER ENVIRONMENT

Manufacturer: XEROX
Model : 820-II
Memory Size : 64 KB

Printer Speed : 40 CPS
Operating System #1: CP/M
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	243	1
Hard	0	0

Other Hardware : PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
SPREADSHEET/WORKSHEET	SUPERCALC	WORKSHEETS	
WORD PROCESSING	UNKNOWN	LETTERS	

FUNCTIONAL PACKAGES

Application Name	Vendor
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NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name	
BUILDING PERMITS	BASIC	INTERNAL	Installed in 1983
TAX WRITEOFFS	DBASEII	INTERNAL	Installed in 1984

64 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

NEPEAN C
3825 RICHMOND ROAD
NEPEAN, ONTARIO
K2H 5C2
Municipal Code: 20104

Contact Name : JESSIE MILC
Contact Title: SECRETARY
Department : WORKS (BUILDING)
Phone Number : 613-829-1510
Population : 85737

MICROCOMPUTER ENVIRONMENT

Manufacturer: XEROX
Model : 820-II
Memory Size : 64 KB

Printer Speed : 40 CPS
Operating System #1: CP/M
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
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Floppy	243	1
Hard	0	0

Other Hardware : PRINTER

FUNCTIONAL PACKAGES

Application Name	Vendor
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NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name
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BUILDING PERMITS	BASIC	INTERNAL	Installed in 1983
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GENERAL INFORMATION

NEPEAN C
3825 RICHMOND ROAD
NEPEAN, ONTARIO
K2H 5C2
Municipal Code: 20104

Contact Name : G.T. FORD
Contact Title: OFFICE MANAGER
Department : WORKS
Phone Number : 613-829-1510
Population : 85737

MICROCOMPUTER ENVIRONMENT

Manufacturer: RADIO SHACK
Model : TRS 80
Memory Size : 48 KB

Printer Speed : 100 CPS
Operating System #1: TRS DOS
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
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Floppy	370	1
Hard	0	0

Other Hardware : PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
COMMUNICATIONS	VIDEOTEX PLS	BUSINESS INFO.	FINANCIAL INFO.
DATA BASE	PROFILE III	PAVING MGT FILE	SEWERS MGT FILE
GRAPHICS	BUS. GRAPHIC	TIME/PRODUCTION	
SPREADSHEET/WORKSHEET	VISICALC	BUDGETS	

FUNCTIONAL PACKAGES

Application Name	Vendor
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NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name	
DRAINCALC (SEWAGE)	BASIC	BELLINGER/BROWN	Installed in 1982
PENFILE (FOR PERSONNEL)	BASIC	BELLINGER/BROWN	Installed in 1983
TRAFILE	BASIC	BELLINGER/BROWN	Installed in 1983

66 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

NEPEAN C
3825 RICHMOND ROAD
NEPEAN, ONTARIO
K2H 5C2
Municipal Code: 20104

Contact Name : ROSE MADALIN
Contact Title: FINANCIAL ANALYST
Department : FINANCE
Phone Number : 613-829-1510
Population : 85737

MICROCOMPUTER ENVIRONMENT

Manufacturer: MAI/BASIC FOUR
Model : S-10
Memory Size : 64 KB

Printer Speed : 120 CPS
Operating System #1: CP/M
#2: BB/M

DISK CONFIGURATION

Type	Size(KB)	Num
------	----------	-----

Floppy	1310	2
Hard	0	0

Other Hardware : PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
SPREADSHEET/WORKSHEET	SUPERCALC	BUDGETS/REPORTS	

GENERAL INFORMATION

NORTH BAY C
P.O. BOX 360
NORTH BAY, ONTARIO
P1B 8H8
Municipal Code: 85101

Contact Name : W. W. WALTON
Contact Title: EDP SUPERVISOR
Department : POLICE DEPT.
Phone Number : 705-474-0400
Population : 50567

MICROCOMPUTER ENVIRONMENT

Manufacturer: MAI/BASIC FOUR
Model : S-10
Memory Size : 64 KB

Printer Speed : 150 CPS
Operating System #1: CP/M
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	13100	2
Hard	0	0

Other Hardware : PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
WORD PROCESSING	OMS (MAI)	GENERAL	

FUNCTIONAL PACKAGES

Application Name	Vendor
ACCOUNTS PAYABLE	MOLNAR SYSTEMS GROUP
FINANCIAL REPORTING	MOLNAR SYSTEMS GROUP
GENERAL LEDGER	MOLNAR SYSTEMS GROUP

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language Developer's Name
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NONE

COMMUNICATIONS

Database/Service Bureau/ Government Computer	Protocol	Primary Use	Secondary Use
CITY OF NORTH BAY	ASYNCH	ACCT INQUIRY	WORD PROCESSING

68 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

ONAPING FALLS T
P.O. BOX 250
LEVACK, ONTARIO
POM 2C0
Municipal Code: 23403

Contact Name : RICHARD DEMERS
Contact Title: CLERK
Department : ADMINISTRATION
Phone Number : 705-966-3431
Population : 5954

MICROCOMPUTER ENVIRONMENT

Manufacturer: APPLE
Model : III
Memory Size : 256 KB

Printer Speed : 100 CPS
Operating System #1: SOS
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
------	----------	-----

Floppy	0	0
Hard	5000	1

Other Hardware :

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
DATA BASE	DATA MGR III	RECORDS MGT	FILE STORAGE
GRAPHICS	BUS. GRAPHIC	REPORTING	OPER. PROJECT.
RECORDS RETRIEVAL	QUICK FILE	INDEX FILE	RETRIEVAL

GENERAL INFORMATION

PEEL R
10 PEEL CENTRE DRIVE
BRAMPTON, ONTARIO
L6T 4B9
Municipal Code: 21000

Contact Name : R. WISEMAN
Contact Title: MANAGER, SYSTEMS ADMIN.
Department :
Phone Number : 416-791-9400
Population : 506421

MICROCOMPUTER ENVIRONMENT

Manufacturer: DEC
Model : VT 180
Memory Size : 64 KB

Printer Speed : 0 CPS
Operating System #1: CP/M
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
------	----------	-----

Floppy	250	2
Hard	0	0

Other Hardware :

COMMUNICATIONS

Database/Service Bureau/
Government Computer

	Protocol	Primary Use	Secondary Use
IN HOUSE PDP 11/44	ASYNCH	FILE TRANSFER	

70 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

PETERBOROUGH C
500 GEORGE ST, CITY HALL
PETERBOROUGH, ONTARIO
K9H 3R9
Municipal Code: 66101

Contact Name : CHRISTINE SHAUGHNESSY
Contact Title: PROGRAMMER/OPERATOR
Department : DEVELOPMENT DEPARTMENT
Phone Number : 705-748-8894
Population : 61595

MICROCOMPUTER ENVIRONMENT

Manufacturer: HEWLETT-PACKARD
Model : HP123
Memory Size : 64 KB

Printer Speed : 300 CPS
Operating System #1: CP/M
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
------	----------	-----

Floppy	256	1
Hard	0	0

Other Hardware : PLOTTER
MODEM
PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
COMMUNICATIONS	LINK	COMPUSEARCH	QL/SEARCH
DATA BASE	DBASE II	DATABASE MANAGE	SURVEYS/IND INF
GRAPHICS	UNKNOWN	CHARTS	
SPREADSHEET/WORKSHEET	VISICALC	SPREADSHEET	
WORD PROCESSING	WORDSTAR	WORD PROCESSING	

FUNCTIONAL PACKAGES

Application Name	Vendor
------------------	--------

NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name	
CONVENTION CENTRE SURVEY	DBASE II	INTERNAL	Installed in 1983
ECONOMIC STUDY	DBASE II	INTERNAL	Planned for 1984
INDUSTRIAL DATABASE	DBASE II	INTERNAL	Installed in 1983

COMMUNICATIONS

Database/Service Bureau/ Government Computer	Protocol	Primary Use	Secondary Use
---	----------	-------------	---------------

INFOGLOBE
COMPUSEARCH

GENERAL INFORMATION

PICKERING T	Contact Name : CATHY COLLINS
1710 KINGSTON ROAD	Contact Title: PROGRAMMER
PICKERING, ONTARIO	Department : TREASURY
L1V 1C7	Phone Number : 416-683-2760
Municipal Code: 10403	Population : 38799

MICROCOMPUTER ENVIRONMENT

Manufacturer: MAI/BASIC FOUR	Printer Speed : 0 CPS
Model : S-10	Operating System #1: BB/M
Memory Size : 128 KB	#2:

DISK CONFIGURATION

Type	Size(KB)	Num
------	----------	-----

Floppy	1310	2
Hard	0	0

Other Hardware :

FUNCTIONAL PACKAGES

Application Name	Vendor
------------------	--------

NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name
------------------	----------	------------------

ICE RENTALS	BASIC	INTERNAL	Installed in 1983
PARKS & REC MEMBRSHIP INFO	BASIC	INTERNAL	Installed in 1983

72 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

SAULT STE MARIE C
P.O. BOX 580
SAULT STE. MARIE, ONTARIO
P6A 5N1
Municipal Code: 80101

Contact Name : ARTHUR BURLEIN
Contact Title: SUPERINTENDENT
Department : PUBLIC WORKS DEPARTMENT
Phone Number : 705-759-5201
Population : 82902

MICROCOMPUTER ENVIRONMENT

Manufacturer: IBM
Model : PC
Memory Size : 192 KB

Printer Speed : 100 CPS
Operating System #1: DOS 1.1
#2: CP/M

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	640	2
Hard	0	0

Other Hardware : 8CH TAP RE
TMC 48-A

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
DATA BASE	DBASE II	ACCIDENTS	VARIOUS
SPREADSHEET/WORKSHEET	LOTUS 1-2-3	VARIOUS	
WORD PROCESSING	EASYWRITER	PRE-REPORTS	SPECIFICATIONS

FUNCTIONAL PACKAGES

Application Name	Vendor	
MAINTENANCE MANAGEMENT	UNKNOWN	Planned for 1984
S STOP/TRANSYT 7	UNKNOWN	Planned for 1985
TMC ANALYSIS	CURLETTE SALES	Installed in 1983
VOL TAPE	CURLETTE SALES	Installed in 1983
VOLPLOT-GRAPHS	CURLETTE SALES	Planned for 1984

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name	
ESTIMATING	1-2-3	INTERNAL	Planned for 1984
EXPENDITURE TRACE	1-2-3	INTERNAL	Planned for 1984
SCHOOLGUARD	BASIC	INTERNAL	Planned for 1984
SIGNAL TIME	1-2-3	INTERNAL	Planned for 1984
WARRANT	1-2-3	INTERNAL	Planned for 1984

GENERAL INFORMATION

SAULT STE MARIE C
P.O. BOX 580
SAULT STE. MARIE, ONTARIO
P6A 5N1
Municipal Code: 80101

Contact Name : ARTHUR BURLEIN
Contact Title: SUPERINTENDENT
Department : PUBLIC WORKS AND TRAFFIC
Phone Number : 705-256-8428
Population : 82902

MICROCOMPUTER ENVIRONMENT

Manufacturer: NORTH STAR
Model : HORIZON II
Memory Size : 64 KB

Printer Speed : 60 CPS
Operating System #1: CP/M 2.2
#2: NS-DOS

DISK CONFIGURATION

Type	Size(KB)	Num
------	----------	-----

Floppy	720	2
Hard	0	0

Other Hardware : PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
SPREADSHEET/WORKSHEET	MULTIPLAN	VARIOUS	VARIOUS

FUNCTIONAL PACKAGES

Application Name	Vendor
------------------	--------

NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name
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BUDGET ESTIMATES	NS-BASIC	INTERNAL	Installed in 1980
EXPENDITURE TRACE	MULTIPLN	INTERNAL	Installed in 1983
SCHOOLGUARD	NS-BASIC	INTERNAL	Installed in 1980
SIGNAL TIME	MULTIPLN	INTERNAL	Installed in 1983
WARRANT	MULTIPLN	INTERNAL	Installed in 1983

GENERAL INFORMATION

SAULT STE MARIE C
P.O. BOX 580
SAULT STE. MARIE, ONTARIO
P6A 5N1
Municipal Code: 80101

Contact Name : DONALD B. MCCONNELL
Contact Title: POLICY PLANNERG
Department : PLANNING DEPARTMENT
Phone Number : 705-949-9111
Population : 82902

MICROCOMPUTER ENVIRONMENT

Manufacturer: APPLE
Model : III
Memory Size : 256 KB

Printer Speed : 55 CPS
Operating System #1: APPLE SOS
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	340	1
Hard	0	0

Other Hardware : PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
COMMUNICATIONS	APP ACC III		
DATA BASE	PFS FILE	INVENTORY	SURVEY ANALYSIS
SPREADSHEET/WORKSHEET	VISICALC	RESEARCH	
WORD PROCESSING	APPLE III	MAJOR REPORTS	OFFICIAL PLAN

FUNCTIONAL PACKAGES

Application Name	Vendor
------------------	--------

NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name	
HOUSING MODEL	BASIC	INTERNAL	Installed in 1983
OFFICIAL PLAN	APPLEIII		Installed in 1984
POPULATION MODEL	BASIC	UNKNOWN	Installed in 1983
SURVEY ANALYSIS	PFS FILE		Installed in 1984

GENERAL INFORMATION

SAULT STE MARIE C
P.O. BOX 580
SAULT STE. MARIE, ONTARIO
P6A 5N1
Municipal Code: 80101

Contact Name : W. EISENBICHIER
Contact Title: HEAD, AUDIT SERVICES
Department : PUBLIC LIBRARY
Phone Number : 705-949-2152
Population : 82902

MICROCOMPUTER ENVIRONMENT

Manufacturer: APPLE
Model : III
Memory Size : 256 KB

Printer Speed : 40 CPS
Operating System #1: S.O.S. 1.1
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	280	2
Hard	0	0

Other Hardware : MODEM
EX DD

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
DATA BASE	PFS REPORT	STILL LEARNING	
FILING	QUICKFILE	STILL LEARNING	
SPREADSHEET/WORKSHEET	VISICALC	STILL LEARNING	
WORD PROCESSING	APPLEWRITER	WORD PROCESSING	

76 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

SAULT STE MARIE C
P.O. BOX 580
SAULT STE. MARIE, ONTARIO
P6A 5N1
Municipal Code: 80101

Contact Name : CERYS MCLELLANNCHUK
Contact Title: CLERK-STENOGRAPHER
Department : ENGINEERING-PROPERTY
Phone Number : 705-949-9111
Population : 82902

MICROCOMPUTER ENVIRONMENT

Manufacturer: APPLE
Model : III
Memory Size : 256 KB

Printer Speed : 17 CPS
Operating System #1: APPLE SOS
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
------	----------	-----

Floppy	340	1
Hard	0	0

Other Hardware : PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
DATA BASE	PFS FILE	SALES DB/REPORT	PER/PURCH DATA
SPREADSHEET/WORKSHEET	VISICALC	BUDG/DEP CALC	
WORD PROCESSING	APPLEWRITER	CORRES	FORMS/AGREEMENT

GENERAL INFORMATION

SCARBOROUGH B	Contact Name : GRAEME READING
150 BOROUGH DR., CIVIC CE	Contact Title: MANAGER
SCARBOROUGH, ONTARIO	Department : DATA PROCESSING
M1P 4N7	Phone Number : 416-296-7201
Municipal Code: 01202	Population : 435980

MICROCOMPUTER ENVIRONMENT

Manufacturer: DEC	Printer Speed : 45 CPS
Model : RAINBOW	Operating System #1: CP/M
Memory Size : 256 KB	#2:

DISK CONFIGURATION			Other Hardware : PRINTER
Type	Size(KB)	Num	
-----	-----	---	
Floppy	760	1	
Hard	0	0	

SOFTWARE PACKAGES AND USER AIDS			
Package	Product Name	Primary Use	Secondary Use
COMMUNICATIONS	CHI UNIVAC	COMMUN/UNIVAC	
SPREADSHEET/WORKSHEET	MULTIPLAN	BUDGETS	
WORD PROCESSING	SELECT	LETTERS	

GENERAL INFORMATION

SCARBOROUGH B	Contact Name : T. GALLEY
150 BOROUGH DR., CIVIC CE	Contact Title: DIRECTOR OF ADMIN
SCARBOROUGH, ONTARIO	Department : WORKS
M1P 4N7	Phone Number : 416-296-7348
Municipal Code: 01202	Population : 435980

MICROCOMPUTER ENVIRONMENT

Manufacturer: BMC	Printer Speed : 0 CPS
Model : IF800	Operating System #1: CP/M
Memory Size : 64 KB	#2:

DISK CONFIGURATION

Type Size(KB) Num

Floppy	640	1
Hard	0	0

Other Hardware :

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
SPREADSHEET/WORKSHEET	SUPERCALC	ANALYSIS	BUDGET
WORD PROCESSING	WORDSTAR	MANUALS	REPORTS

FUNCTIONAL PACKAGES

Application Name	Vendor
------------------	--------

NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name	
PUMPING STATION MAINTNCE.	BASIC	UNKNOWN	Installed in 1983
SEWER CONNECTIONS	BASIC	UNKNOWN	Installed in 1983
TRAFFIC COUNT'S	BASIC	UNKNOWN	Installed in 1983

GENERAL INFORMATION

SCARBOROUGH B
150 BOROUGH DR., CIVIC CE
SCARBOROUGH, ONTARIO
MLP 4N7
Municipal Code: 01202

Contact Name : T. STANFORD
Contact Title: ADMINISTRATOR
Department : FIRE
Phone Number : 416-438-1232
Population : 435980

MICROCOMPUTER ENVIRONMENT

Manufacturer: COM SUP SER
Model : STAR
Memory Size : 64 KB

Printer Speed : 150 CPS
Operating System #1: MP/M
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
------	----------	-----

Other Hardware : DIS MON

Floppy	0	0
Hard	11920	1

FUNCTIONAL PACKAGES

Application Name	Vendor
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NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language Developer's Name
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STATUS TABLE INTERFACE ASSEMB. COMPUTER SUPPORT SERVICES Installed in 1983

80 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

SCARBOROUGH B
150 BOROUGH DR., CIVIC CE
SCARBOROUGH, ONTARIO
M1P 4N7
Municipal Code: 01202

Contact Name : FRED WEINDEL
Contact Title: ADMINISTRATOR
Department : RECREATION & PARKS
Phone Number : 416-296-7403
Population : 435980

MICROCOMPUTER ENVIRONMENT

Manufacturer: DEC
Model : RAINBOW
Memory Size : 256 KB

Printer Speed : 240 CPS
Operating System #1: CP/M
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	760	1
Hard	0	0

Other Hardware : PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
SPREADSHEET/WORKSHEET	MULTIPLAN	FINANCIAL PLAN	SCHEDULING
WORD PROCESSING	SELECT	WORD PROCESSING	

GENERAL INFORMATION

ST CATHARINES C
P.O. BOX 3012
ST. CATHARINES, ONTARIO
L2R 7C2
Municipal Code: 18103

Contact Name : RAY AUDET
Contact Title: INFO. SYSTEMS MANAGER
Department : FINANCE
Phone Number : 416-688-5600
Population : 123644

MICROCOMPUTER ENVIRONMENT

Manufacturer: NCR
Model : 2950
Memory Size : 192 KB

Printer Speed : 100 CPS
Operating System #1:
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	0	0
Hard	0	0

Other Hardware : CASSETTE
CASH DRWRS

82 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

SUDBURY C	Contact Name : ROBERT J. BOUCHER
200 BRADY ST., BOX 1000	Contact Title: DIRECTOR OF INFORMATION
SUDBURY, ONTARIO	Department : INFORMATION SYSTEMS
P3E 4S5	Phone Number : 705-674-3141
Municipal Code: 23101	Population : 91388

MICROCOMPUTER ENVIRONMENT

Manufacturer: NCR	Printer Speed : 0 CPS
Model : 2950	Operating System #1: ETSB 1.1
Memory Size : 192 KB	#2:

DISK CONFIGURATION			Other Hardware : CASSETTE JOURNAL PT RECEIPT
Type	Size(KB)	Num	
-----	-----	----	
Floppy	0	0	
Hard	0	0	

FUNCTIONAL PACKAGES

Application Name	Vendor
NONE	

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name	
CASH HANDLING	BASIC	INTERNAL/NCR	Installed in 1982

GENERAL INFORMATION

TAY TP
P.O. BOX 100
VICTORIA HARBOUR, ONTARIO
LOK 2A0
Municipal Code: 70612

Contact Name : JOYCE BARRON
Contact Title: COMPUTER OPERATOR
Department : TREASURY
Phone Number : 705-534-7248
Population : 6111

MICROCOMPUTER ENVIRONMENT

Manufacturer: RADIO SHACK
Model : MODEL 2
Memory Size : 64 KB

Printer Speed : 120 CPS
Operating System #1: TRSDOS 2.0
#2: CP/M

DISK CONFIGURATION

Type	Size(KB)	Num
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Floppy	1025	2
Hard	0	0

Other Hardware : EXP. DISK
PRINTER

FUNCTIONAL PACKAGES

Application Name	Vendor
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NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name
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GENERAL LEDGER	C	EXCELLENT SOFTWARE	Installed in 1982
WATER BILLING	BASIC	TANDY CORP.	Installed in 1980
WATER RECEIVABLES	BASIC	TANDY CORP.	Installed in 1980

84 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

THOROLD C
P.O. BOX 1044
THOROLD, ONTARIO
L2V 4A7
Municipal Code: 18105

Contact Name : MRS. DOREEN TAYLOR
Contact Title: DEPUTY TREASURER
Department : TREASURY
Phone Number : 416-227-6613
Population : 15794

MICROCOMPUTER ENVIRONMENT

Manufacturer: PHILIPS
Model : P330-2604
Memory Size : 32 KB

Printer Speed : 80 CPS
Operating System #1: N/A
#2: N/A

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	500	1
Hard	0	0

Other Hardware : PRINTER

FUNCTIONAL PACKAGES

Application Name	Vendor	
ACCOUNTS PAYABLE	PHILIPS	Installed in 1978
BUDGETING	PHILIPS	Installed in 1978
ELECTION RETURNS	UNKNOWN	Installed in 1978
FINANCIAL REPORTING	PHILIPS	Installed in 1978
GENERAL LEDGER	PHILIPS	Installed in 1978
WATER BILLING	PHILIPS	Installed in 1978
WATER RECEIVABLES	PHILIPS	Installed in 1978

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name	
PAYROLL	UNKNOWN	PHILIPS	Installed in 1978

GENERAL INFORMATION

WATERLOO R	Contact Name : ELLEN LOVELL
20 ERB ST. WEST	Contact Title: PROGRAMMER/ANALYST
WATERLOO, ONTARIO	Department :
N2J 4G7	Phone Number : 815-885-9400
Municipal Code: 25000	Population : 314069

MICROCOMPUTER ENVIRONMENT

Manufacturer: HONEYWELL	Printer Speed : 35 CPS
Model : 6/10	Operating System #1: MOD400
Memory Size : 512 KB	#2:

DISK CONFIGURATION	Other Hardware : DISK 650
Type Size(KB) Num	

Floppy 650 1	
Hard 20000 1	

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
SPREADSHEET/WORKSHEET	INFOCALC		
WORD PROCESSING	OAS		

86 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

WATERLOO C
20 ERB STREET WEST
WATERLOO, ONTARIO
N2L 1T1
Municipal Code: 25103

Contact Name : PAUL ALLEN
Contact Title: DEVEL ENGINEERER
Department : ENGINEERING
Phone Number : 519-886-1550
Population : 57412

MICROCOMPUTER ENVIRONMENT

Manufacturer: IBM
Model : PC
Memory Size : 320 KB

Printer Speed : 160 CPS
Operating System #1: DOS 1.1
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	640	2
Hard	0	0

Other Hardware : EPSON FX80

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
DATA BASE	DBASE II	MAINT MANAG PRO	
SPREADSHEET/WORKSHEET	LOTUS 1-2-3	BUDGETS	LOCAL IMPROVE

FUNCTIONAL PACKAGES

Application Name	Vendor	
FLEET MAINTENANCE	UNKNOWN	Planned for 1984
ILLUDAS---HYDROGRAPH MODEL	PARAGON ENGINEERING	Installed in 1983
WATER DIST'N ANALYSIS	PARAGON ENGINEERING	Installed in 1983

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name	
BUDGET ESTIMATES	BASIC	CITY OF WATERLOO	Installed in 1983
JOB COST	BASIC	CITY OF WATERLOO	Installed in 1983
ROAD PROFILES	BASIC	CITY OF WATERLOO	Installed in 1983
SANITARY DESIGN	BASIC	CITY OF WATERLOO	Installed in 1983
SOIL CONSERVATION SYSTEM	BASIC	CITY OF WATERLOO	Installed in 1983

GENERAL INFORMATION

WELLAND C
CITY HALL, 411 EAST MAIN
WELLAND, ONTARIO
L3B 3X4
Municipal Code: 18104

Contact Name : NORM DESILETS
Contact Title: MAINT. MGT. TECHNICIAN
Department : ENGINEERING
Phone Number : 416-735-9500
Population : 45417

MICROCOMPUTER ENVIRONMENT

Manufacturer: IBM
Model : PC
Memory Size : 64 KB

Printer Speed : 120 CPS
Operating System #1: DOS 1.1
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	640	2
Hard	0	0

Other Hardware : 5250 EMUL.
PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
SPREADSHEET/WORKSHEET	MULTIPLAN	FIN. ESTIMATING	DATA BASE

FUNCTIONAL PACKAGES

Application Name	Vendor
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NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name
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BUILDING CONTROL	BASIC/AS	INTERNAL	Planned for 1984
PERSONNEL	BASIC	INTERNAL	Planned for 1984

88 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

WELLINGTON CO
74 WOOLWICH ST.
GUELPH, ONTARIO
N1H 3T9
Municipal Code: 75000

Contact Name : JIM SCHAEFER
Contact Title: TREASURER
Department :
Phone Number : 519-837-2600
Population : 134504

MICROCOMPUTER ENVIRONMENT

Manufacturer: IBM
Model : PC
Memory Size : 128 KB

Printer Speed : 120 CPS
Operating System #1: DOS 1.1
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
Floppy	640	1
Hard	0	0

Other Hardware : PRINTER

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
SPREADSHEET/WORKSHEET	SUPERCALC	BUDGETS	
WORD PROCESSING	WORDSTAR	LABELLING	

FUNCTIONAL PACKAGES

Application Name	Vendor
------------------	--------

NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name	
MUSEUM COLLECTIONS	BASIC	UNIVERSITY OF WATERLOO	Installed in 1983

GENERAL INFORMATION

WINDSOR C
CITY HALL SQUARE
WINDSOR, ONTARIO
N9A 6S1
Municipal Code: 45101

Contact Name : ITALO CARDUCCI
Contact Title: DIVISION CHIEF
Department : WINDSOR FIRE DEPARTMENT
Phone Number : 519-255-6532
Population : 192546

MICROCOMPUTER ENVIRONMENT

Manufacturer: ZENITH
Model : Z-100
Memory Size : 128 KB

Printer Speed : 140 CPS
Operating System #1: CAM/CAD
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
------	----------	-----

Floppy	0	0
Hard	0	0

Other Hardware : DIGITIZER
PRINTER

FUNCTIONAL PACKAGES

Application Name	Vendor
------------------	--------

NONE

CUSTOM DEVELOPED APPLICATIONS

Application Name	Language	Developer's Name
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COMPTR AIDED FIRE DSPATCH ASSEMB.	ELECTRONIC SOURV. CORP.	Planned for 1984
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90 MUNICIPAL MICROCOMPUTER PROFILE

GENERAL INFORMATION

YORK R
P.O. BOX 296
NEWMARKET, ONTARIO
L3Y 4W9
Municipal Code: 27000

Contact Name : WILLIAM KURYSH
Contact Title: SUPERVISOR, SYS. DESIGN
Department : ENGINEERING
Phone Number : 416-364-8731
Population : 266128

MICROCOMPUTER ENVIRONMENT

Manufacturer: IBM
Model : PC/XT
Memory Size : 128 KB

Printer Speed : 40 CPS
Operating System #1: DOS 2.0
#2:

DISK CONFIGURATION

Type	Size(KB)	Num
------	----------	-----

Floppy	360	1
Hard	10000	1

Other Hardware :

SOFTWARE PACKAGES AND USER AIDS

Package	Product Name	Primary Use	Secondary Use
DATA BASE	DBASE II		
SPREADSHEET/WORKSHEET	LOTUS 1-2-3		
WORD PROCESSING	SPELLBINDER		

LOCAL AREA NETWORK

Network Product Name	# of Micros
----------------------	-------------

EASYNET 116	6	Planned for 1984
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4 - GENERIC SOFTWARE APPLICATION PROFILE

INTRODUCTION

The generic software application profile lists those applications on microcomputers which are based on generic software i.e., they were not custom written in COBOL, BASIC etc, by the staff of the municipalities. These applications were automated using over the counter software such as Lotus 1-2-3, Visicalc, etc.

After locating the applications that interest you, the municipal profile section can provide you with further information about that municipality and/or other municipalities with similar systems.

EXHIBIT 2

APPLICATIONS USING GENERIC PACKAGES

CATEGORY	PACKAGE	APPLICATION
DATA BASE	DBASE II	DAY CARE DATA BASE
		INDUSTRIAL DATABASE
		BEHAVIOUR MGMT. DATA BASE
		PERSONNEL RECORDS
		ECONOMIC STUDY
		CONVENTION CENTRE SURVEY
		TAX WRITEOFFS
		INVENTORY
		FINANCIAL MODEL
		SURVEY ANALYSIS
SPREAD SHEET	1-2-3	SCHEDULING-FORM DESIGN
		WARRANT
		PURCHASING CONTROL
		EXPENDITURE TRACE
		SIGNAL TIME
		ESTIMATING
		ENERGY-JOB CONTROL
		EXPENDITURE TRACE
		WARRANT
		SIGNAL TIME
WORD PROCESSING	SCRIPSIT	ENERGY CONSUMPTION
		CONTROL MON INDEX

DBASE II is a registered trademark of ASHTON-TATE
 PFS FILE is a registered trademark of SOFTWARE PUBLISHING CORP.
 1-2-3 is a registered trademark of LOTUS DEVELOPMENT CORP.
 MULTIPLN is a registered trademark of MICROSOFT
 CALC-64 is a registered trademark of COMMODORE CORP.
 SCRIPSIT is a registered trademark of TANDY CORP.

5 - APPLICATIONS INDEX

INTRODUCTION

This section is for those who have a particular functional application in mind, for example, water billing, and want to know who has already automated this application. It is arranged alphabetically by application name.

This index should prove helpful in identifying municipalities with applications of a departmental nature on a microcomputer.

In addition to the municipality name, this index also includes the type of microcomputer on which the application is being performed, and the software.

You can narrow your search to a few municipalities whose environments are similar to your own and look them up in the municipal profile section. You can also use this index as a guide to hardware and software vendors.

Application

ABSTRACT FILE

<u>Vendor</u>	<u>Municipality</u>	<u>Micro</u>
INHOUSE	HAMILTON - WENTWORTH R HAMILTON - WENTWORTH R	RADIO SHACK MODEL 1 RADIO SHACK MODEL 4

ACCOUNTING

INHOUSE	CHARLOTTENBURGH TP	G.R.F. VAVOC III
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ACCOUNTS PAYABLE

INHOUSE	LINDSAY T	DEC VT 180
MOLNAR SYSTEMS GROUP	NORTH BAY C	MAI/BASIC FOUR S-10
PHILIPS	THOROLD C	PHILIPS P330-2604
VORTEX SYSTEMS	HAMILTON - WENTWORTH R HAMILTON - WENTWORTH R	RADIO SHACK TRS 80 RADIO SHACK TRS 80

BUDGETING

PHILIPS	THOROLD C	PHILIPS P330-2604
URBAN MASS TRANSIT ADMIN.	KITCHENER C	DEC RAINBOW
VORTEX SYSTEMS	HAMILTON - WENTWORTH R HAMILTON - WENTWORTH R	RADIO SHACK TRS 80 RADIO SHACK TRS 80

BUILDING CONTROL

INHOUSE	WELLAND C	IBM PC
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BUILDING PERMITS

INHOUSE	NEPEAN C NEPEAN C	XEROX 820-II XEROX 820-II
---------	----------------------	------------------------------

BULLETIN BOARD

INHOUSE	KINGSTON C	APPLE III
---------	------------	-----------

Application

CASH HANDLING

<u>Vendor</u>	<u>Municipality</u>	<u>Micro</u>
INHOUSE	ST CATHARINES C SUDBURY C	NCR 2950 NCR 2950

COMPUTATIONAL PKG

INHOUSE	DURHAM R DURHAM R	IBM PC IBM PC/XT
---------	----------------------	---------------------

COMPUTER AIDED DISPATCH

INHOUSE	WINDSOR C	ZENITH Z-100
---------	-----------	--------------

COMPUTER MAPPING

INHOUSE	HALTON R	RADIO SHACK MODEL 4
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CONSERVATION DATA

INHOUSE	HAMILTON - WENTWORTH R HAMILTON - WENTWORTH R	RADIO SHACK MODEL 1 RADIO SHACK MODEL 4
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CONTRACT COSTING

INHOUSE	NEPEAN C	XEROX 820-II
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CONTROL MON INDEX

INHOUSE	HAMILTON - WENTWORTH R	RADIO SHACK TRS 80
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CONVENTION CENTRE SURVEY

INHOUSE	PETERBOROUGH C	HEWLETT-PACKARD HP123
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Application

COORDINATE GEOMETRY

Vendor <hr/>	Municipality <hr/>	Micro <hr/>
INHOUSE	HAMILTON - WENTWORTH R	RADIO SHACK TRS 80

COUNCIL RECORDS SYSTEM

INHOUSE	HALTON R	RADIO SHACK MODEL 4
---------	----------	---------------------

CULVERT DESIGN

INHOUSE	MISSISSAUGA C	DEC RAINBOW
---------	---------------	-------------

DAY CARE DATA BASE

INHOUSE	DURHAM R	IBM PC
---------	----------	--------

DEVELOP APP PROCESSING

INHOUSE	HALTON R	RADIO SHACK MODEL 4
---------	----------	---------------------

DIAL-A-COURSE

INHOUSE	KINGSTON C	APPLE III
---------	------------	-----------

DRAINCALC

INHOUSE	NEPEAN C	RADIO SHACK TRS 80
---------	----------	--------------------

EARTH EXCAVATION CALC'S

INHOUSE	LINDSAY T	RADIO SHACK MODEL 16
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ECONOMIC STUDY

INHOUSE	PETERBOROUGH C	HEWLETT-PACKARD HP123
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Application

ELECTION RETURNS

<u>Vendor</u>	<u>Municipality</u>	<u>Micro</u>
UNKNOWN	THOROLD C	PHILIPS P330-2604

EMPLOYMENT SURVEY

INHOUSE	DURHAM R	IBM PC
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ESTIMATING

INHOUSE	DURHAM R	IBM PC/XT
	SAULT STE MARIE C	IBM PC
	SAULT STE MARIE C	NORTH STAR HORIZON II
	WATERLOO C	IBM PC

EXPENDITURE TRACE

INHOUSE	SAULT STE MARIE C	IBM PC
	SAULT STE MARIE C	NORTH STAR HORIZON II

FINANCIAL REPORTING

MOLNAR SYSTEMS GROUP	NORTH BAY C	MAI/BASIC FOUR S-10
PHILIPS	THOROLD C	PHILIPS P330-2604
VORTEX SYSTEMS	HAMILTON - WENTWORTH R	RADIO SHACK TRS 80
	HAMILTON - WENTWORTH R	RADIO SHACK TRS 80

FLEET MAINTENANCE

UNKNOWN	WATERLOO C	IBM PC
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FOOD HANDLERS COURSE

INHOUSE	HALTON R	APPLE II+
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GENERAL LEDGER

INHOUSE	LINDSAY T	DEC VT 180
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Application

GENERAL LEDGER

<u>Vendor</u>	<u>Municipality</u>	<u>Micro</u>
INHOUSE	TAY TP	RADIO SHACK MODEL 2
MOLNAR SYSTEMS GROUP	NORTH BAY C	MAI/BASIC FOUR S-10
PHILIPS	THOROLD C	PHILIPS P330-2604

GEO. CONVERSION (3 TO 6)

INHOUSE	MISSISSAUGA C	DEC RAINBOW
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GRAPHIC PACKAGE

INHOUSE	DURHAM R	IBM PC
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HOUSING MODEL

INHOUSE	SAULT STE MARIE C	APPLE III
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ICE RENTALS

INHOUSE	PICKERING T	MAI/BASIC FOUR S-10
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ILLUDAS

PARAGON ENGINEERING	WATERLOO C	IBM PC
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INDUSTRIAL DATABASE

INHOUSE	PETERBOROUGH C	HEWLETT-PACKARD HP123
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INTELLIGENCE

INHOUSE	KINGSTON C	COLUMBIA MPC
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INVENTORY

INHOUSE	CHARLOTTENBURGH TP	G.R.F. VAVOC III
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Application

INVENTORY

<u>Vendor</u>	<u>Municipality</u>	<u>Micro</u>
INHOUSE	GUELPH C	IBM PC

JOB COST

INHOUSE	WATERLOO C	IBM PC
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LIB. BOOK OVERDUE NOTICES

COMMODORE	KENT CO	COMMODORE 64
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LIBRARY CATALOGUING

INHOUSE	HALTON R	RADIO SHACK MODEL 4
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MAINTENANCE MANAGEMENT

UNKNOWN	SAULT STE MARIE C	IBM PC
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MANAGEMENT SYSTEM

INHOUSE	HAMILTON - WENTWORTH R	WANG PC
	HAMILTON - WENTWORTH R	WANG PC

MCTRANS

UNIVERSITY OF FLORIDA	DURHAM R	IBM PC/XT
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MEMBERSHIP INFORMATION

INHOUSE	PICKERING T	MAI/BASIC FOUR S-10
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MICRO COGO

MICRO COMP	MISSISSAUGA C	DEC RAINBOW
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100 APPLICATION INDEX

Application

MIDAS (SCS)

Vendor	Municipality	Micro
INHOUSE	MISSISSAUGA C	DEC RAINBOW

MISS. HYETOGRAPH

INHOUSE	MISSISSAUGA C	DEC RAINBOW
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MODEM77

CPM USERS GROUP	KITCHENER C	DEC RAINBOW
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MOTORS

M.M. DILLON	DURHAM R	IBM PC/XT
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MUSEUM COLLECTIONS

INHOUSE	WELLINGTON CO	IBM PC
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NOISE CONTROL

INHOUSE	DURHAM R	IBM PC
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OCCURRENCES

INHOUSE	KINGSTON C	COLUMBIA MPC
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PATIENT MOVEMENT

UNKNOWN	KINGSTON C	COMMODORE 9000
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PAYROLL

INHOUSE	THOROLD C	PHILIPS P330-2604
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Application

PAYROLL

<u>Vendor</u>	<u>Municipality</u>	<u>Micro</u>
VORTEX SYSTEMS	HAMILTON - WENTWORTH R	RADIO SHACK TRS 80
	HAMILTON - WENTWORTH R	RADIO SHACK TRS 80

PENFILE

INHOUSE	NEPEAN C	RADIO SHACK TRS 80
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PERSONNEL

INHOUSE	GUELPH C	IBM PC
	WELLAND C.	IBM PC

PLAN INDEX

INHOUSE	HAMILTON - WENTWORTH R	RADIO SHACK TRS 80
---------	------------------------	--------------------

POPULATION MODEL

INHOUSE	SAULT STE MARIE C	APPLE III
---------	-------------------	-----------

PROGRAMME DATA BASE

INHOUSE	DURHAM R	IBM PC
---------	----------	--------

PROPERTY INDEX

INHOUSE	HAMILTON - WENTWORTH R	RADIO SHACK TRS 80
---------	------------------------	--------------------

PUMPING STATION MTC

INHOUSE	SCARBOROUGH B	BMC IF800
---------	---------------	-----------

REGISTRATION

INHOUSE	CHARLOTTENBURGH TP	G.R.F. VAVOC III
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Application

ROAD PROFILES

<u>Vendor</u>	<u>Municipality</u>	<u>Micro</u>
INHOUSE	WATERLOO C	IBM PC

S STOP/TRANSYT 7

UNKNOWN	SAULT STE MARIE C	IBM PC
---------	-------------------	--------

SANITARY DESIGN

INHOUSE	WATERLOO C	IBM PC
---------	------------	--------

SANITARY SEWER DEF INVENT

INHOUSE	DURHAM R	IBM PC/XT
	DURHAM R	IBM PC/XT

SCHEDULING

INHOUSE	CHARLOTTENBURGH TP	G.R.F. VAVOC III
---------	--------------------	------------------

SCHOOLGUARD

INHOUSE	SAULT STE MARIE C	IBM PC
	SAULT STE MARIE C	NORTH STAR HORIZON II

SCS

INHOUSE	WATERLOO C	IBM PC
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SEWAGE DATA

INHOUSE	HAMILTON - WENTWORTH R	RADIO SHACK MODEL 1
	HAMILTON - WENTWORTH R	RADIO SHACK MODEL 4

Application**SEWAGE FLOW ANALYSIS**

<u>Vendor</u>	<u>Municipality</u>	<u>Micro</u>
INHOUSE	DURHAM R	IBM PC/XT

SEWER CON.

INHOUSE	SCARBOROUGH B	BMC IF800
---------	---------------	-----------

SIG CAPACITY ANALYSIS

INHOUSE	DURHAM R	IBM PC/XT
---------	----------	-----------

SIGNAL TIME

INHOUSE	SAULT STE MARIE C	IBM PC
	SAULT STE MARIE C	NORTH STAR HORIZON II

SINKING FUND DEBENTURE

INHOUSE	LINDSAY T	DEC VT 180
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SOARS(MODIFIED)

INHOUSE	MISSISSAUGA C	DEC RAINBOW
---------	---------------	-------------

STATISTICAL ANALYSIS

INHOUSE	DURHAM R	IBM PC
	HAMILTON - WENTWORTH R	HEWLETT-PACKARD 2647A
SPSS INC.	KITCHENER C	DEC RAINBOW
UNKNOWN	MISSISSAUGA C	DEC RAINBOW
URBAN MASS TRANSIT ADMIN.	KITCHENER C	DEC RAINBOW

STATUS TABLE INTERFACE

INHOUSE	SCARBOROUGH B	COM SUP SER STAR
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Application

SURVEY PROCESSING PKG

Vendor <hr/>	Municipality <hr/>	Micro <hr/>
INHOUSE	DURHAM R	IBM PC

TAX ARREARS

INHOUSE	LINDSAY T	DEC VT 180
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TMC ANALYSIS

CURLETTE SALES	SAULT STE MARIE C	IBM PC
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TRAFFIC COUNL'S

INHOUSE	SCARBOROUGH B	BMC IF800
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TRAFILE

INHOUSE	NEPEAN C	RADIO SHACK TRS 80
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TRSTRAN MODEL

INHOUSE	HALTON R	RADIO SHACK MODEL 4
---------	----------	---------------------

TRUST ACCOUNTING

INHOUSE	HALTON R	COMMODORE 8032
UNKNOWN	KINGSTON C	COMMODORE 9000

UN-SIGN CAPACITY ANALYSIS

INHOUSE	DURHAM R	IBM PC/XT
---------	----------	-----------

VOL TAPE

CURLETTE SALES	SAULT STE MARIE C	IBM PC
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Application

VOLPLOT-GRAPHICS

<u>Vendor</u>	<u>Municipality</u>	<u>Micro</u>
CURLETTE SALES	SAULT STE MARIE C	IBM PC

WARRANT

INHOUSE	SAULT STE MARIE C	IBM PC
	SAULT STE MARIE C	NORTH STAR HORIZON II

WATER BILLING

INHOUSE	TAY TP	RADIO SHACK MODEL 2
PHILIPS	THOROLD C	PHILIPS P330-2604

WATER DIST'N ANALYSIS

PARAGON ENGINEERING	WATERLOO C	IBM PC
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WATER NETWORK ANALYSIS

INHOUSE	DURHAM R	IBM PC/XT
---------	----------	-----------

WATER RECEIVABLES

INHOUSE	TAY TP	RADIO SHACK MODEL 2
PHILIPS	THOROLD C	PHILIPS P330-2604

WATERMAIN DEF INVENTORY

INHOUSE	DURHAM R	IBM PC/XT
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WATERWORKS DATA

INHOUSE	HAMILTON - WENTWORTH R	RADIO SHACK MODEL 1
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Application

WATERWORKS DATA

Vendor <hr/>	Municipality <hr/>	Micro <hr/>
INHOUSE	HAMILTON - WENTWORTH R	RADIO SHACK MODEL 4

WELLNESS CHECK

INHOUSE	HALTON R	APPLE II+
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6 - HARDWARE/APPLICATION INDEX

INTRODUCTION

The Hardware/Application Index lists, by make and model of hardware product, the functional applications being performed and the municipalities performing them.

It is most useful to those who have acquired, or are considering acquiring, a specific make and model of microcomputer. You can find out in this section who has this microcomputer and what is running on it.

Refer to the Municipal Profiles section to get a more complete picture of the environment in a particular municipality, and to find out who to contact.

Manufacturer	Model	Application	Municipality
APPLE	II+	FOOD HANDLERS COURSE WELLNESS CHECK	HALTON R HALTON R
APPLE	III	BULLETIN BOARD DIAL-A-COURSE HOUSING MODEL POPULATION MODEL	KINGSTON C KINGSTON C SAULT STE MARIE C SAULT STE MARIE C
BASIC/FOUR	S-10	ACCOUNTS PAYABLE FINANCIAL REPORTING GENERAL LEDGER ICE RENTALS MEMBERSHIP INFORMATION	NORTH BAY C NORTH BAY C NORTH BAY C PICKERING T PICKERING T
BMC	IF800	PUMPING STATION MTC SEWER CON. TRAFFIC COUNL'S	SCARBOROUGH B SCARBOROUGH B SCARBOROUGH B
COLUMBIA	MPC	INTELLIGENCE OCCURRENCES	KINGSTON C KINGSTON C
COM SUP SER	STAR	STATUS TABLE INTERFACE	SCARBOROUGH B
COMMODORE	64	LIB. BOOK OVERDUE NOTICES	KENT CO
COMMODORE	8032	TRUST ACCOUNTING	HALTON R
COMMODORE	9000	PATIENT MOVEMENT TRUST ACCOUNTING	KINGSTON C KINGSTON C
DEC	RAINBOW	3 TO 6 CONVERSION BUDGETING CULVERT DESIGN MICRO COGO MIDAS (SCS) MISS. HYETOGRAPH MODEM77 SOARS(MODIFIED) STATISTICAL ANALYSIS	MISSISSAUGA C KITCHENER C MISSISSAUGA C MISSISSAUGA C MISSISSAUGA C MISSISSAUGA C KITCHENER C MISSISSAUGA C KITCHENER C KITCHENER C MISSISSAUGA C
DEC	VT 180	ACCOUNTS PAYABLE	LINDSAY T

Manufacturer	Model	Application	Municipality
DEC	VT 180	GENERAL LEDGER SINKING FUND DEBENTURE TAX ARREARS	LINDSAY T LINDSAY T LINDSAY T
G.R.F.	VAVOC III	ACCOUNTING INVENTORY REGISTRATION SCHEDULING	CHARLOTTENBURGH TP CHARLOTTENBURGH TP CHARLOTTENBURGH TP CHARLOTTENBURGH TP
HEWLETT-PACKARD	2647A	STATISTICAL ANALYSIS	HAMILTON - WENTWORTH R
HEWLETT-PACKARD	HP123	CONVENTION CENTRE SURVEY ECONOMIC STUDY INDUSTRIAL DATABASE	PETERBOROUGH C PETERBOROUGH C PETERBOROUGH C
IBM	PC	BUILDING CONTROL COMPUTATIONAL PKG DAY CARE DATA BASE EMPLOYMENT SURVEY ESTIMATING EXPENDITURE TRACE FLEET MAINTENANCE GRAPHIC PACKAGE ILLUDAS INVENTORY JOB COST MAINTENANCE MANAGEMENT MUSEUM COLLECTIONS NOISE CONTROL PERSONNEL PROGRAMME DATA BASE ROAD PROFILES S STOP/TRANSYT 7 SANITARY DESIGN SCHOOLGUARD SCS SIGNAL TIME STATISTICAL ANALYSIS SURVEY PROCESSING PKG TMC ANALYSIS VOL TAPE	WELLAND C DURHAM R DURHAM R DURHAM R SAULT STE MARIE C WATERLOO C SAULT STE MARIE C WATERLOO C DURHAM R WATERLOO C GUELPH C WATERLOO C SAULT STE MARIE C WELLINGTON CO DURHAM R GUELPH C WELLAND C DURHAM R WATERLOO C SAULT STE MARIE C WATERLOO C SAULT STE MARIE C WATERLOO C SAULT STE MARIE C DURHAM R DURHAM R SAULT STE MARIE C SAULT STE MARIE C

Manufacturer	Model	Application	Municipality
IBM	PC	VOLPLOT-GRAPHICS WARRANT WATER DIST'N ANALYSIS	SAULT STE MARIE C SAULT STE MARIE C WATERLOO C
IBM	PC/XT	COMPUTATIONAL PKG ESTIMATING MCTRANS MOTORS SANITARY SEWER DEF INVENT SEWAGE FLOW ANALYSIS SIG CAPACITY ANALYSIS UN-SIGN CAPACITY ANALYSIS WATER NETWORK ANALYSIS WATERMAIN DEF INVENTORY	DURHAM R DURHAM R DURHAM R DURHAM R DURHAM R DURHAM R DURHAM R DURHAM R DURHAM R DURHAM R
NCR	2950	CASH HANDLING	ST CATHARINES C SUDBURY C
NORTH STAR	HORIZON II	ESTIMATING EXPENDITURE TRACE SCHOOLGUARD SIGNAL TIME WARRANT	SAULT STE MARIE C SAULT STE MARIE C SAULT STE MARIE C SAULT STE MARIE C SAULT STE MARIE C
PHILIPS	P330-2604	ACCOUNTS PAYABLE BUDGETING ELECTION RETURNS FINANCIAL REPORTING GENERAL LEDGER PAYROLL WATER BILLING WATER RECEIVABLES	THOROLD C THOROLD C THOROLD C THOROLD C THOROLD C THOROLD C THOROLD C THOROLD C
RADIO SHACK	MODEL 1	ABSTRACT FILE CONSERVATION DATA SEWAGE DATA WATERWORKS DATA	HAMILTON - WENTWORTH R HAMILTON - WENTWORTH R HAMILTON - WENTWORTH R HAMILTON - WENTWORTH R
RADIO SHACK	MODEL 16	EARTH EXCAVATION CALC'S	LINDSAY T
RADIO SHACK	MODEL 2	COMPUTER MAPPING COUNCIL RECORDS SYSTEM	HALTON R HALTON R

Manufacturer	Model	Application	Municipality
RADIO SHACK	MODEL 2	DEVELOP APP PROCESSING GENERAL LEDGER LIBRARY CATALOGUING TRSTRAN MODEL WATER BILLING WATER RECEIVABLES	HALTON R TAY TP HALTON R HALTON R TAY TP TAY TP
RADIO SHACK	MODEL 4	ABSTRACT FILE CONSERVATION DATA SEWAGE DATA WATERWORKS DATA	HAMILTON - WENTWORTH R HAMILTON - WENTWORTH R HAMILTON - WENTWORTH R HAMILTON - WENTWORTH R
RADIO SHACK	TRS 80	ACCOUNTS PAYABLE BUDGETING CONTROL MON INDEX COORDINATE GEOMETRY DRAINCALC FINANCIAL REPORTING PAYROLL PENFILE PLAN INDEX PROPERTY INDEX TRAFILE	HAMILTON - WENTWORTH R HAMILTON - WENTWORTH R HAMILTON - WENTWORTH R HAMILTON - WENTWORTH R HAMILTON - WENTWORTH R HAMILTON - WENTWORTH R NEPEAN C HAMILTON - WENTWORTH R HAMILTON - WENTWORTH R HAMILTON - WENTWORTH R HAMILTON - WENTWORTH R NEPEAN C HAMILTON - WENTWORTH R HAMILTON - WENTWORTH R NEPEAN C
WANG	PC	MANAGEMENT SYSTEM	HAMILTON - WENTWORTH R HAMILTON - WENTWORTH R
XEROX	820-II	BUILDING PERMITS CONTRACT COSTING	NEPEAN C NEPEAN C NEPEAN C
ZENITH	Z-100	COMPUTER AIDED DISPATCH	WINDSOR C

APPENDIX A
MINISTRY SURVEY

If you ever decide to buy a microcomputer for your municipality, please complete the survey form which follows, and forward it to the Ministry of Municipal Affairs and Housing. (The Ministry's address appears in the Preface.)

If you have a number of changes or corrections to make to the information contained in this Catalogue, please also forward them to the Ministry.

Enclosed in this package you will find copies of the Microcomputer Survey (Attachment B) and a Guide (Attachment C) to help you fill it in. The Survey should be completed on a one-per-micro basis. If you did not receive sufficient copies of the Survey and its Guide in this package, please make additional copies and have them completed.

CONTROL SHEET

Please complete this control sheet as soon as the copies of the Survey have been distributed, and use it to keep track of each of the copies. This control sheet should be returned with the completed Survey(s). This will help us to track the receipt of completed Surveys against expected returns. If this Control Sheet does not provide enough space, please make another copy.

SURVEY

For each copy of the Survey, please indicate the department controlling the micro, the name of the person who will be completing the survey, the manufacturer of the micro concerned, and the model of the micro.

<u>DEPARTMENT</u>	<u>NAME</u>	<u>MANUFACTURER</u>	<u>MODEL</u>
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____

1. GENERAL INFORMATION

1.
2.
3.
4.

Your Name 5. _____
Title 6. _____
Department 7. _____
Phone 8. _____

2. MICROCOMPUTER ENVIRONMENT

Manufacturer	9. _____	Printer Speed	15. _____ CPS
Model	10. _____	Operating System #1	16. _____
Memory Size	11. _____ KB	#2	17. _____
DISK DRIVES (internal or external)		Other Hardware	18. _____
Floppy 12. No. ____ Storage ____ KB			19. _____
Hard 13. No. ____ Storage ____ KB			20. _____

3. MICROCOMPUTER USEPart 3.1 - Micro User Aids And Generic Software Packages

<u>Generic Package</u>	<u>Predominant Product Name</u>	<u>Primary Use</u>	<u>Secondary Use</u>
21. Spreadsheet/Worksheet	30. _____	39. _____	48. _____
22. Word Processing	31. _____	40. _____	49. _____
23. Data Base	32. _____	41. _____	50. _____

MICROCOMPUTER SURVEY

PAGE B.2

24. Graphics	33. _____	42. _____	51. _____
25. Communications	34. _____	43. _____	52. _____
26. Typesetting	35. _____	44. _____	53. _____
27. Scheduling	36. _____	45. _____	54. _____
28. _____	37. _____	46. _____	55. _____
29. _____	38. _____	47. _____	56. _____

Part 3.2 - Application Software - Functional Packages

	<u>Vendor Name</u>	<u>I=Installed</u> <u>P=Planned</u> <u>I/P</u>	<u>Year</u> <u>Installed/</u> <u>Planned</u>
57. Tax Billing	75. _____	92. ____	109. ____
58. Tax Receivables	76. _____	93. ____	110. ____
59. Water Billing	77. _____	94. ____	111. ____
60. Water Receivables	78. _____	95. ____	112. ____
61. Hydro Billing	79. _____	96. ____	113. ____
62. Hydro Receivables	80. _____	97. ____	114. ____
63. General Ledger	81. _____	98. ____	115. ____
64. Financial Reporting	82. _____	99. ____	116. ____
65. Budgeting	83. _____	100. ____	117. ____
66. Payroll	84. _____	101. ____	118. ____
67. Accounts Payable	85. _____	102. ____	119. ____
68. Maintenance Management	86. _____	103. ____	120. ____
69. Other (SPECIFY):			
70. _____	87. _____	104. ____	121. ____
71. _____	88. _____	105. ____	122. ____

72. _____	89. _____	106. _____	123. _____
73. _____	90. _____	107. _____	124. _____
74. _____	91. _____	108. _____	125. _____

Part 3.3 - Application Software - Custom Developed

<u>Name</u>	<u>Language</u>	<u>Developer's Name</u>	<u>I/P</u>	<u>Yr. I/P</u>
126. _____	131. _____	136. _____	141. _____	146. _____
127. _____	132. _____	137. _____	142. _____	147. _____
128. _____	133. _____	138. _____	143. _____	148. _____
129. _____	134. _____	139. _____	144. _____	149. _____
130. _____	135. _____	140. _____	145. _____	150. _____

Part 3.4 - Communications

If you presently use your micro to communicate over telephone lines or directly attached as a terminal to other computers, please answer numbers 151 to 166. This could include communications to external public data bases and service bureaus, other government computers, a larger computer within your own municipality, or possibly other micros.

If your micro is part of a micro-based Local Area Network, then answer questions 167 to 170.

If your micro is used only as a stand-alone computer, then skip ahead to number 166.

<u>Database or Service Bureau</u>	<u>Protocol</u>	<u>Primary Use</u>	<u>Secondary Use</u>
151. _____	153. _____	155. _____	157. _____
152. _____	154. _____	156. _____	158. _____
<u>Government Computer</u>	<u>Protocol</u>	<u>Primary Use</u>	<u>Secondary Use</u>
159. _____	161. _____	163. _____	165. _____
160. _____	162. _____	164. _____	166. _____

Part 3.5 - Micro-Based Local Area Networks (LAN)

<u>Network Product Name</u>	<u>I/P</u>	<u>Year I/P</u>	<u># of Micros</u>
167. _____	168. ____	169. _____	170. ____

4. OTHER INFORMATION

How many people use this micro? 171. ____

How many hours per day (on average) is this micro used ? 172. ____

Are you generally satisfied that the original objectives are being met ? (Y/N) 173. ____

Which of the following sources or types of user education are being used in your municipality ? (check with an "X")

Internal Classroom 174. ____

External Classroom 175. ____

Self Study 176. ____

Vendor Supplied 177. ____

Other (Specify) 178. _____

Are you satisfied that adequate training is available ? (Y/N) 179. ____

Has your municipality set standards for : (check with an "X")
Hardware 180. ____

* Please attach a copy of these Software 181. ____

standards to your questionnaire. Operating Systems 182. ____

User Training 183. ____

Service Contracts 184. ____

What advice would you give other potential municipal users about to acquire or use a micro?

185. _____

This survey is intended to gather important information about the use of microcomputers within the municipal environment. For this reason, we ask that care be taken in responding to the various questions contained within it.

Questions are explained briefly in this guide, in the order in which they appear. Each response and some headings are coded with a unique number, ranging from 1 to 185. To find the explanation for a particular question, simply locate the number of the response you are having difficulty with and look up its explanation. If you do not have the information readily available to answer a particular question, put "N/A" (not available) as your response.

FOR NUMBERS 1 TO 4, ONLY INCLUDE CORRECTIONS TO THE
INFORMATION PRINTED ON THE MAILING LABEL.

5. Your name. (Whoever is completing the survey form)
6. Your title or position (e.g., Clerk-Treasurer)
7. The name of your department, if applicable.
8. Your office phone number.
9. The name of the company which manufactured your microcomputer (e.g., IBM or Apple).
10. The model name or number of your microcomputer (e.g., PC or Apple II).
11. The amount of RAM (main memory) which your micro has, expressed in kilobytes. If your micro has 64 kilobytes (KB), then answer 64.
12. - NO. means the number of disk drives on your microcomputer
- 13.

STORAGE means the total read/write capacity of your microcomputer's disk drives, expressed in kilobytes. i.e. 2 disk drives of 320 kb each equals total storage of 640.

15. The rated speed of your printer, in characters per second (CPS). If your micro uses two or more printers, select the printer which is used most.
- 16, 17. The name(s) of the most common operating system(s) you are using for your micro, to a maximum of two (e.g., MS/DOS, CP/M, UNIX).
- 18 - 20 Any other hardware devices you have connected directly to your micro, such as a modem, plotter, tape drive, etc.
- 21 - 27 These are names of some "generic" software applications. By generic, we mean programs that may be used in any industry, and are not targeted at a specific industry or management style. Programs which are intended for use within a specific industry or industry sub-sector are called "functional" programs.
- 28 - 29 If you are using applications which you would consider to be "generic" in nature, but were not included in the list from 21 to 27, then put them here (a maximum of two). First, check the list from 57 to 68, to make sure that the application has not been included as a "functional" package.
- 30 - 38 If you are using any generic software packages, supply the name of the software package used most in your office. If the application does not apply, leave it blank.
Examples of generic packages include:
- Worksheets - Lotus 1-2-3, VisiCalc, Supercalc, MBA
Word Processing - Wordstar, Easywriter, Volkswriter
Data Base - dBase II, Knowledgeman, MDBS
Graphics - Lotus 1-2-3, MBA, Chartman
Communications - Crosstalk, PC Modem
Typesetting - Typenet, Type/Link
Scheduling - Visischedule, Time Manager
- 39 - 47 For each of the generic packages applicable in your case, indicate the primary use in your office.
- 48 - 56 For each of the generic packages applicable in your case, indicate any secondary use in your office.
- 57 - 68 These are the names of a number of "off-the-shelf" functional programs which your office may be using on the micro. If so, please fill in the appropriate columns of information.

- 70 - 74 In these spaces, fill in any functional application programs you are using on your micro which did not appear in the list above.
- 75 - 91 If your office is using functional packages which were purchased "off the shelf" from a software supplier (with little or no modification), supply the name of the vendor next to the appropriate application. If the programs were custom written for your office, do not include them here.
- 92 - 108 Indicate whether the applications you have noted under the previous column are already (I)nstalled, or are (P)lanned for installation in the future.
- 109-125 For each of the applications which have been or will be installed, specify the year of installation (or expected year).
- 126-130 If your office has had any application programs written specifically for your micro(s), then name them here. For example, if you have a custom written Tax Billing program, then record it here.
- 131-135 Indicate the programming language (e.g., BASIC) in which the custom programs have been written.
- 136-140 Supply the name of the person or firm who developed the custom programs for your municipal office. If it was done internally, by your own staff, enter the word "Internal".
- 141-145 As above, indicate whether the applications you have listed are already Installed, or are Planned for installation.
- 146-150 Supply the year of installation for each custom-written program.
- 151-152 If your micro is being used to access any public data bases, or service bureaus, please indicate the name(s) here. Examples of public data bases would be Infoglobe, Dow Jones, The Source, etc.
- 153-154 For each data base or service bureau you are communicating with, indicate the communications protocol being used. Examples of communications protocols are Asynchronous, SDLC, 3270, 3780, HDLC, and 5251.
- 155-156 For each data base or service bureau you are communicating with, indicate the primary use of that communication.

- 157-158 For each data base or service bureau you are communicating with, indicate the secondary use of that communication, if appropriate.
- 159-166 Answer these questions for communications to other government computer systems, just as for 151-158.
- 167 If your micro is connected as part of a Local Area Network, indicate the name of the local area network product you are using.
- 168 Indicate whether the local area network (LAN) product is already Installed, or is Planned for installation in the future.
- 169 Enter the year in which the LAN installation occurred/is planned.
- 170 How many micros are attached to the LAN ?
- 171 Within your municipal office, how many people use the micro ?
- 172 Of the total working day, how many hours on average is the micro being used ?
- 173 Answer yes/no as to whether, in your opinion, the system which is currently in use meets the objectives set for it when it was initially considered and installed.
- 174-178 Next to each applicable form of user education being used by persons in your municipal office, place an "X". Internal Classroom education refers to courses put on within the municipal office. External Classroom refers to courses conducted outside the municipal office. Self-study education could be either internal or external. If your office is using education supplied by your system vendor, place an "X" in 177.
- 179 Answer with yes/no, according to your level of satisfaction with the education available at present, in any form.
- 180-184 If your municipality has set standards in any of these areas, indicate so with an "X" in the appropriate spot.

Please attach a copy of your municipality's standards information to the survey form.

For more information, write or call any of the field offices of the Municipal Operations Division. They are located at these addresses.

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Any questions or comments regarding the contents of this publication may be addressed to the Ministry at the above Toronto address and telephone number.

